

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010349.D
 Acq On : 09 May 2019 20:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 10 02:24:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1379092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2282629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2104939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1039275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	794034	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	7.88	113	685538	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.32	98	2737861	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	988910	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	490459	46.391	ug/l	98
3) Chloromethane	2.21	50	704693	49.918	ug/l	98
4) Vinyl Chloride	2.37	62	870777	49.633	ug/l	98
5) Bromomethane	2.78	94	517019	51.103	ug/l	98
6) Chloroethane	2.92	64	535958	52.824	ug/l	95
7) Trichlorofluoromethane	3.25	101	368103	41.912	ug/l	97
8) Diethyl Ether	3.67	74	447305	57.933	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	714670	49.660	ug/l	98
10) Methyl Iodide	4.27	142	1064231	52.219	ug/l	95
11) Tert butyl alcohol	5.17	59	268465	259.281	ug/l	99
12) 1,1-Dichloroethene	4.04	96	746557	49.645	ug/l	94
13) Acrolein	3.89	56	294175	215.193	ug/l	96
14) Allyl chloride	4.66	41	1196005	53.280	ug/l	91
15) Acrylonitrile	5.36	53	1089817	254.657	ug/l	98
16) Acetone	4.12	43	947505	247.897	ug/l	96
17) Carbon Disulfide	4.38	76	2259725	49.684	ug/l	100
18) Methyl Acetate	4.67	43	481844	50.896	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	1094108	61.117	ug/l	98
20) Methylene Chloride	4.91	84	837401	52.528	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	857335	52.964	ug/l	98
22) Diisopropyl ether	6.31	45	2673670	61.371	ug/l	95
23) Vinyl Acetate	6.25	43	8812380	294.588	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1614253	55.035	ug/l	99
25) 2-Butanone	7.17	43	1528063	261.333	ug/l	97
26) 2,2-Dichloropropane	7.16	77	733313	50.250	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	941092	56.533	ug/l	96
28) Bromochloromethane	7.51	49	614648	56.840	ug/l	98
29) Tetrahydrofuran	7.52	42	1015803	268.590	ug/l	97
30) Chloroform	7.67	83	1557129	56.726	ug/l	98
31) Cyclohexane	7.95	56	1473080	49.050	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1115410	52.459	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1239729	50.090	ug/l	100
37) Ethyl Acetate	7.25	43	681174	51.691	ug/l	97
38) Carbon Tetrachloride	8.06	117	1056647	49.804	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1519051	50.172	ug/l	96
40) Benzene	8.32	78	3573965	52.728	ug/l	99
41) Methacrylonitrile	7.48	41	391597	52.988	ug/l	96
42) 1,2-Dichloroethane	8.40	62	1080811	55.707	ug/l	97
43) Isopropyl Acetate	8.43	43	1200656	54.937	ug/l	98
44) Trichloroethene	9.09	130	855017	50.387	ug/l	98
45) 1,2-Dichloropropane	9.37	63	932453	55.344	ug/l	97
46) Dibromomethane	9.46	93	472242	54.255	ug/l	99
47) Bromodichloromethane	9.64	83	1171766	56.122	ug/l	99
48) Methyl methacrylate	9.43	41	580335	56.160	ug/l	89
49) 1,4-Dioxane	9.45	88	167636	1104.386	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3392481	270.710	ug/l	94
52) Toluene	10.38	92	2223231	53.663	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1204085	56.934	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1412684	56.402	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	683309	55.272	ug/l	98
56) Ethyl methacrylate	10.65	69	983371	60.236	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1243053	56.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	2239072	286.460	ug/l	99
59) 2-Hexanone	10.97	43	2367996	267.256	ug/l	92
60) Dibromochloromethane	11.13	129	753433	56.637	ug/l	100
61) 1,2-Dibromoethane	11.24	107	654387	55.140	ug/l	99
64) Tetrachloroethene	10.86	164	766337	52.089	ug/l	99
65) Chlorobenzene	11.66	112	2266786	52.023	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	798709	54.234	ug/l	98
67) Ethyl Benzene	11.73	91	4252848	53.055	ug/l	99
68) m/p-Xylenes	11.84	106	3158456	106.051	ug/l	98
69) o-Xylene	12.16	106	1474979	54.748	ug/l	98
70) Styrene	12.18	104	2637409	56.183	ug/l	98
71) Bromoform	12.35	173	442923	52.611	ug/l #	98
73) Isopropylbenzene	12.46	105	3995048	52.738	ug/l	100
74) N-amyl acetate	12.27	43	1135197	58.005	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	857577	51.379	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	1089398	89.906	ug/l #	100
77) Bromobenzene	12.75	156	920383	53.809	ug/l	98
78) n-propylbenzene	12.80	91	4884059	52.202	ug/l	100
79) 2-Chlorotoluene	12.90	91	2803923	52.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3397587	53.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	271954	50.685	ug/l	93
82) 4-Chlorotoluene	12.99	91	2942053	52.700	ug/l	99
83) tert-Butylbenzene	13.21	119	2808619	52.726	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3427301	54.006	ug/l	100
85) sec-Butylbenzene	13.38	105	4050776	51.513	ug/l	100
86) p-Isopropyltoluene	13.50	119	3631016	52.006	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1786362	52.301	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1752187	51.694	ug/l	100
89) n-Butylbenzene	13.83	91	3545615	50.647	ug/l	97
90) Hexachloroethane	14.10	117	656021	50.659	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1606721	53.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	143296	47.675	ug/l	95

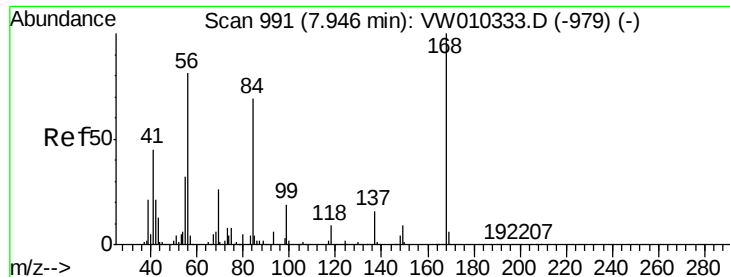
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1084320	52.548	ug/l	99
94) Hexachlorobutadiene	15.24	225	631019	47.702	ug/l	99
95) Naphthalene	15.37	128	2312675	49.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	993611	53.301	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

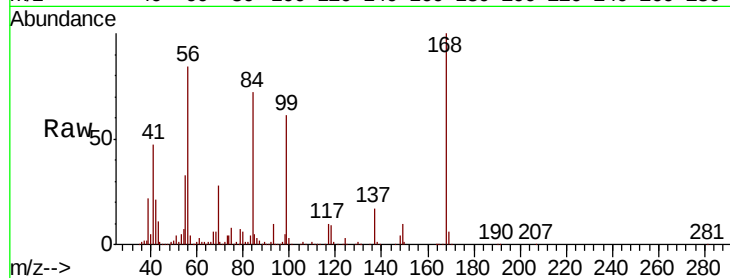
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 1379092

Ion Ratio Lower Upper

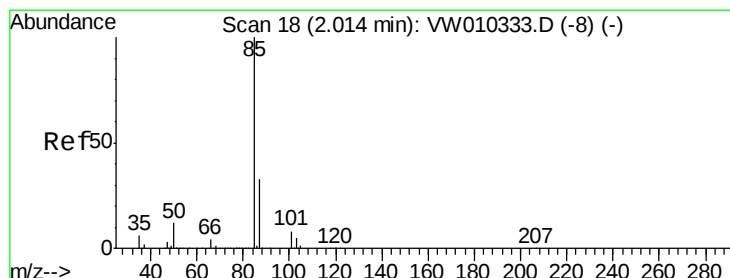
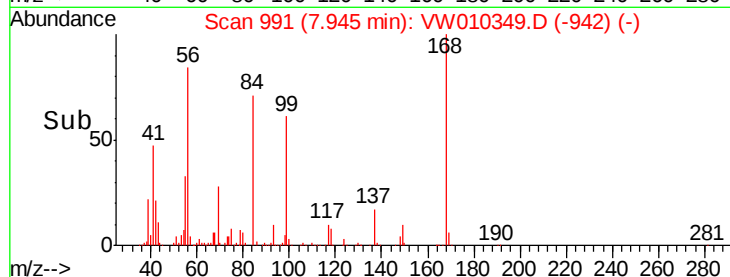
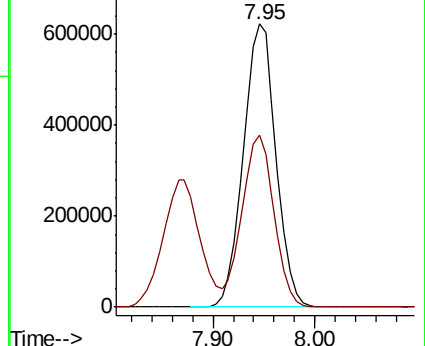
168 100

99 60.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.391 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010349.D

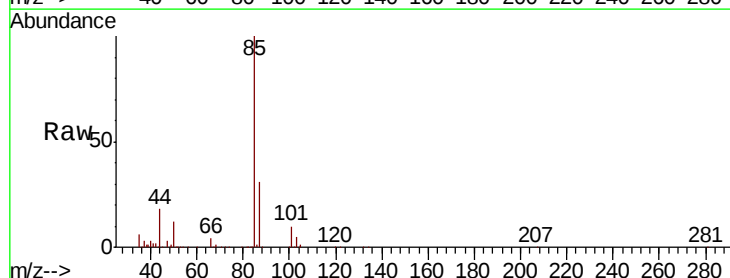
Acq: 09 May 2019 20:58

Tgt Ion: 85 Resp: 490459

Ion Ratio Lower Upper

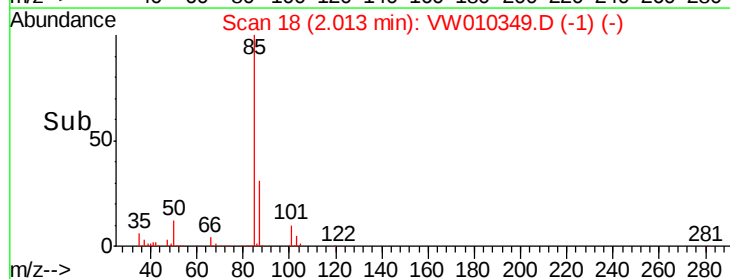
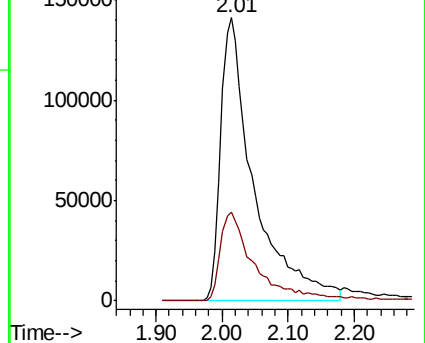
85 100

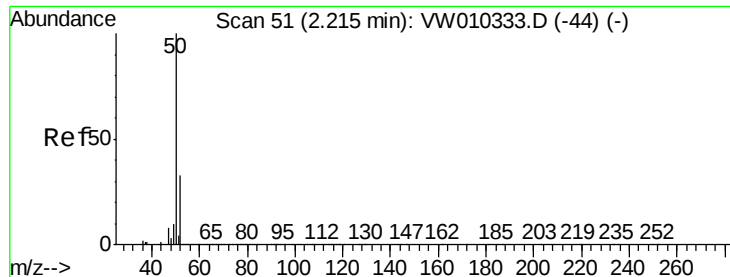
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.918 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

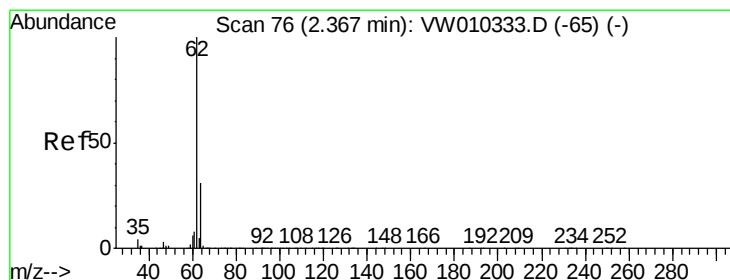
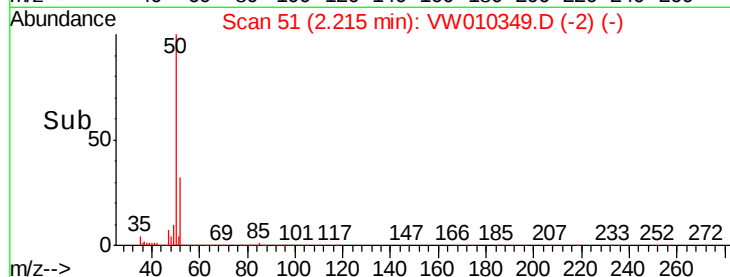
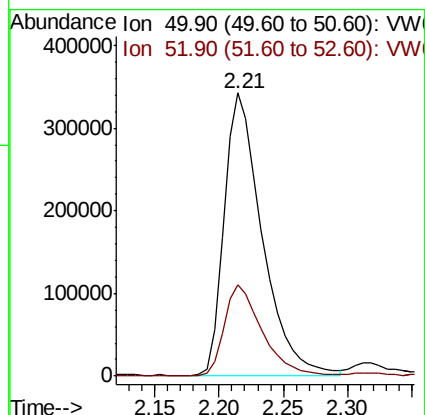
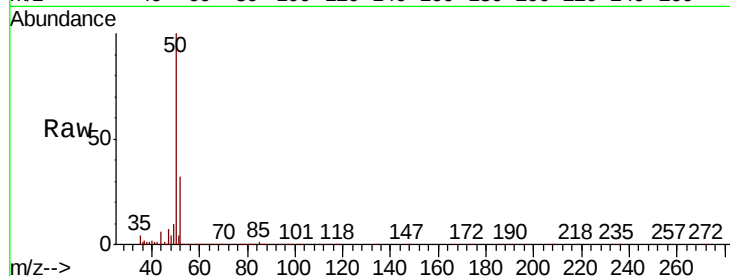
ClientSampleId :

Tot Ion: 50 Resp: 704693

Ion Ratio Lower Upper

50 100

52 32.4 25.0 37.6



#4

Vinyl Chloride

Concen: 49.633 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010349.D

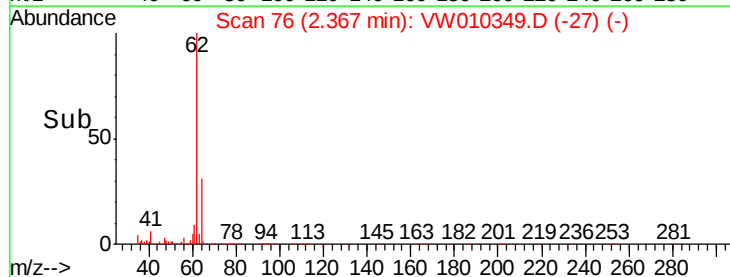
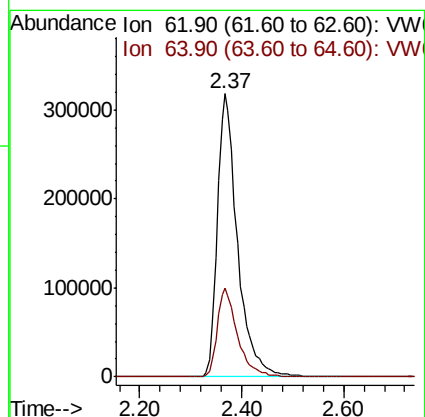
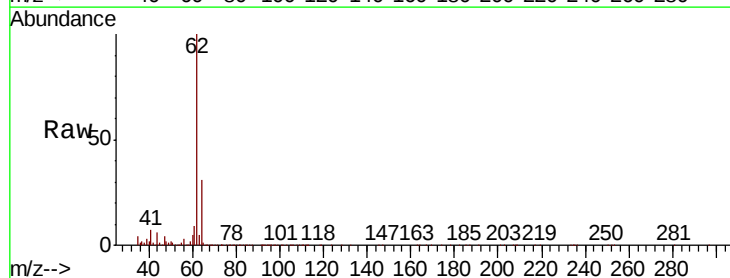
Acq: 09 May 2019 20:58

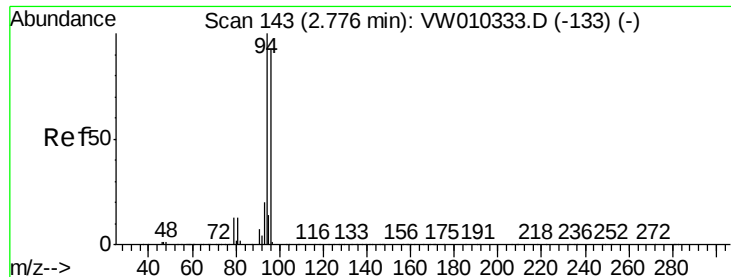
Tgt Ion: 62 Resp: 870777

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9





#5

Bromomethane

Concen: 51.103 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

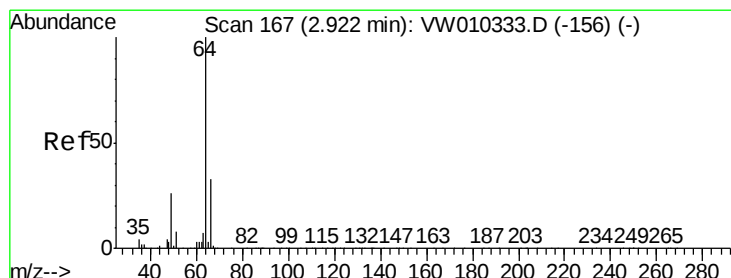
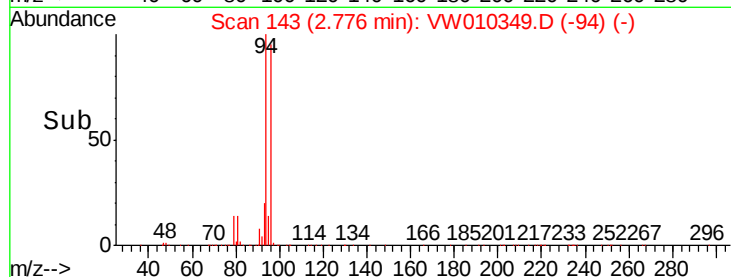
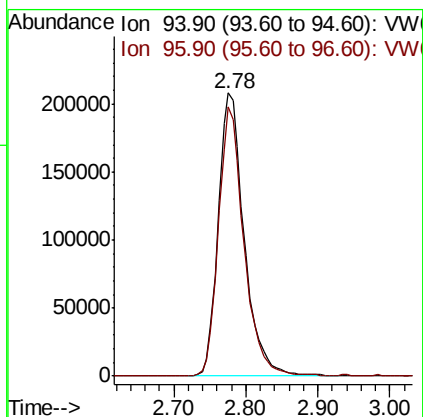
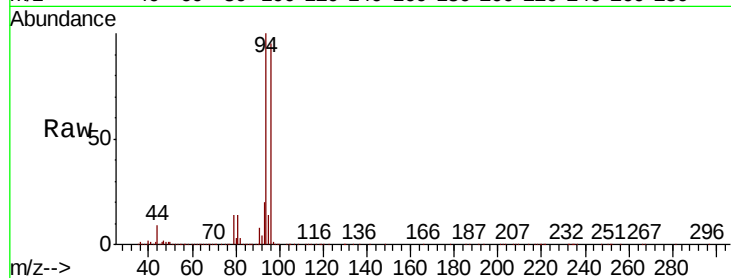
ClientSampled :

Tot Ion: 94 Resp: 517019

Ion Ratio Lower Upper

94 100

96 95.0 74.2 111.2



#6

Chloroethane

Concen: 52.824 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010349.D

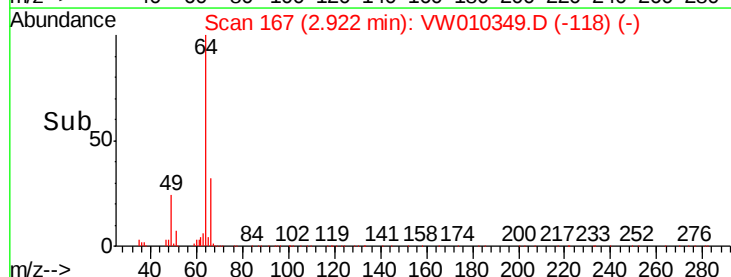
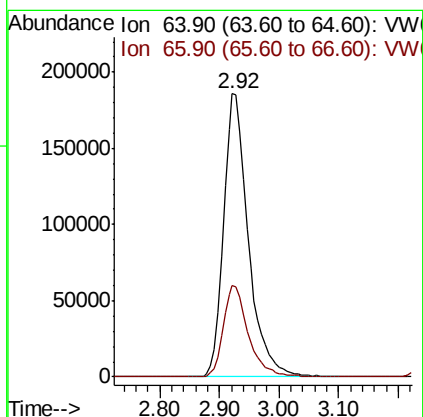
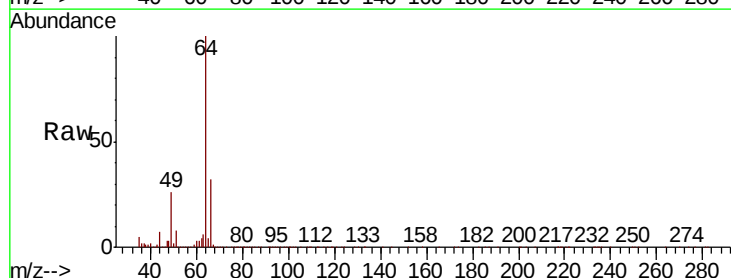
Acq: 09 May 2019 20:58

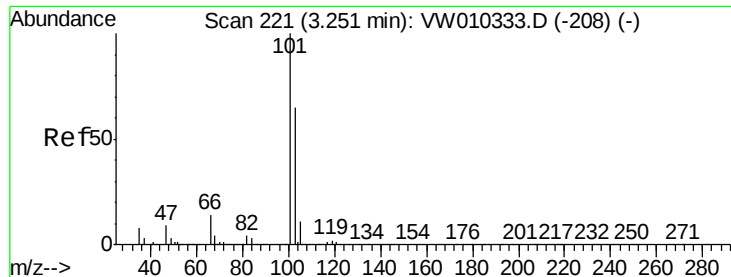
Tgt Ion: 64 Resp: 535958

Ion Ratio Lower Upper

64 100

66 32.1 23.4 35.0



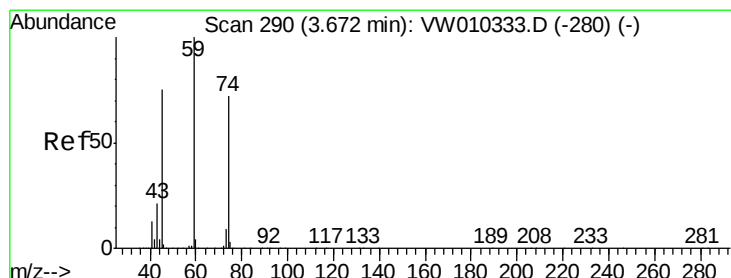
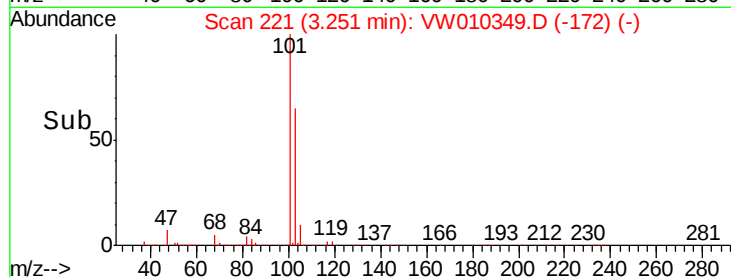
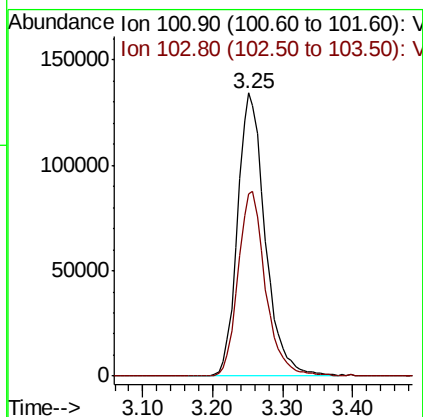
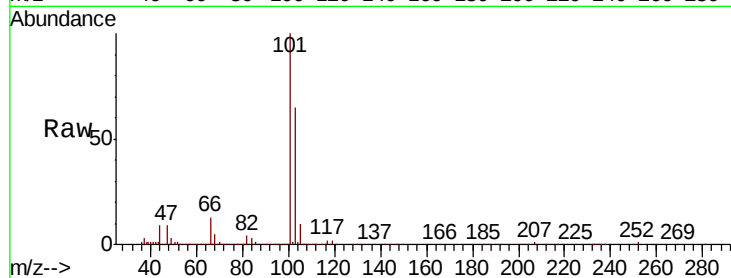


#7

Trichlorofluoromethane
Concen: 41.912 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampled :

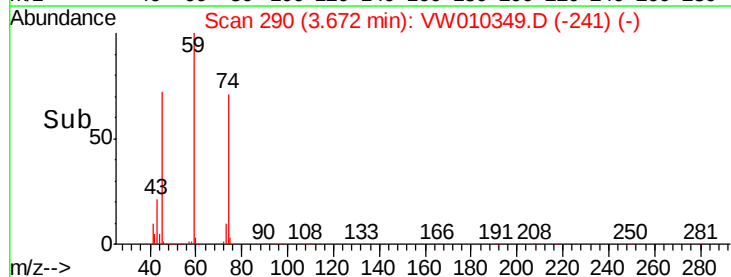
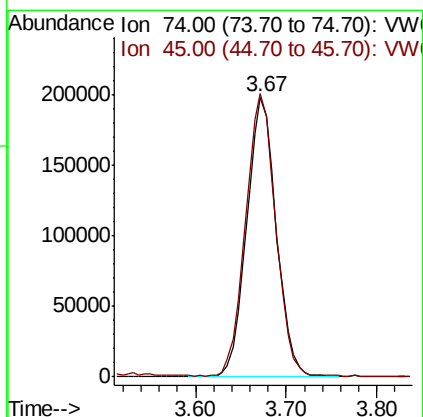
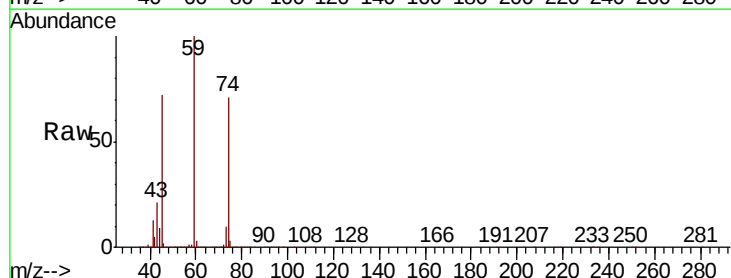
Tot Ion:101 Resp: 368103
Ion Ratio Lower Upper
101 100
103 64.3 49.8 74.6

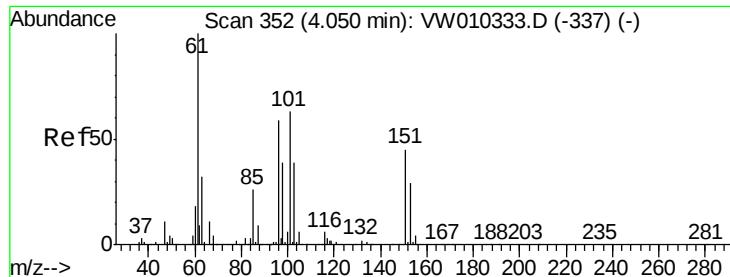


#8

Diethyl Ether
Concen: 57.933 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 74 Resp: 447305
Ion Ratio Lower Upper
74 100
45 102.5 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.660 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampled :

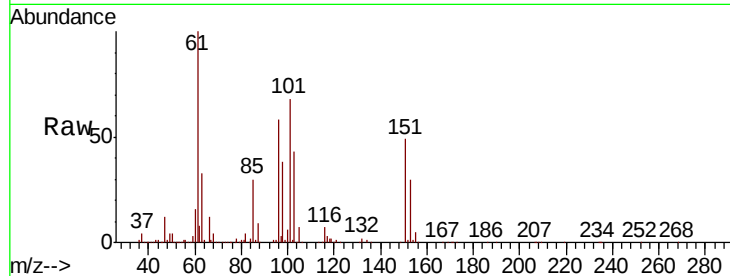
Tot Ion:101 Resp: 714670

Ion Ratio Lower Upper

101 100

85 44.2 36.3 54.5

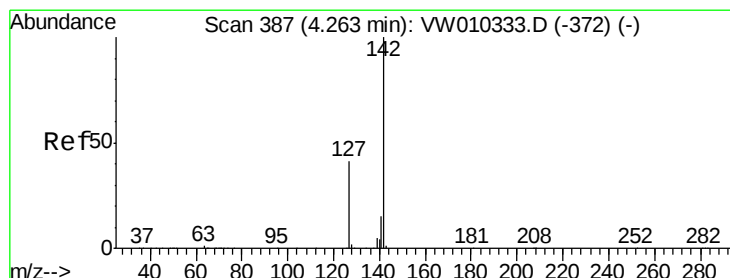
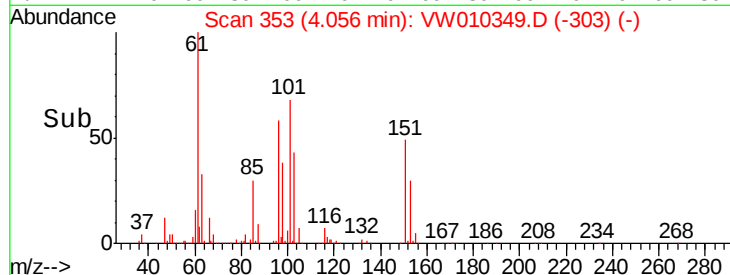
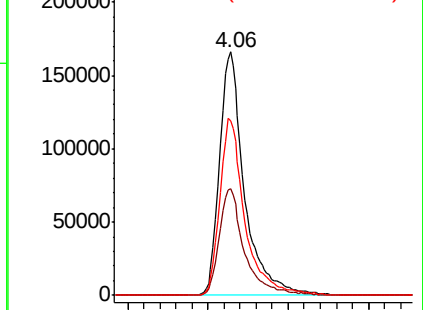
151 72.9 60.2 90.2



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: 52.219 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

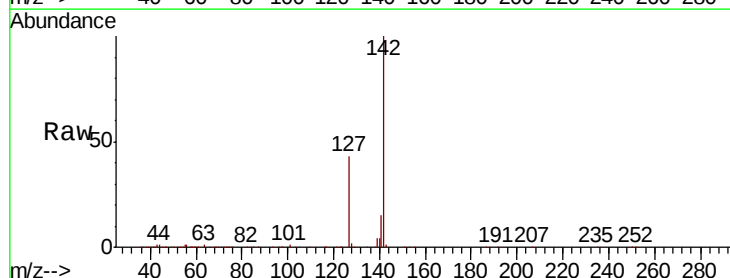
Tgt Ion:142 Resp: 1064231

Ion Ratio Lower Upper

142 100

127 43.3 38.1 57.1

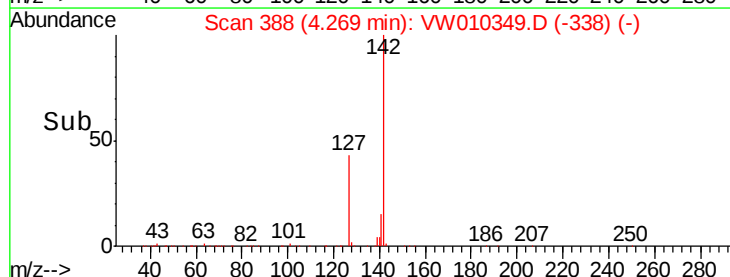
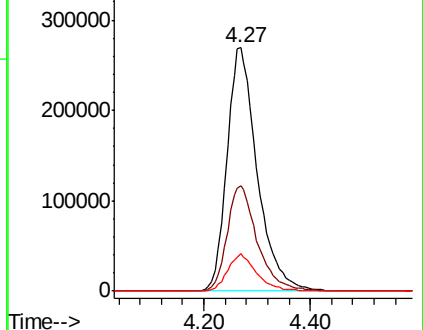
141 14.7 12.2 18.2

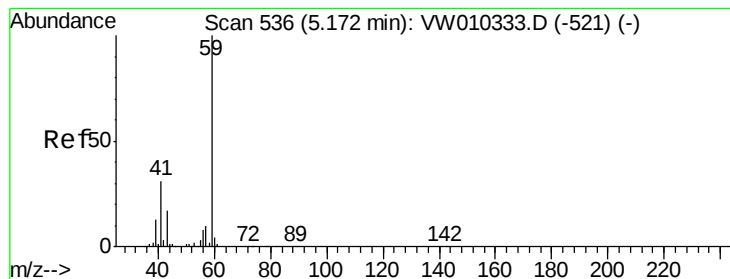


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



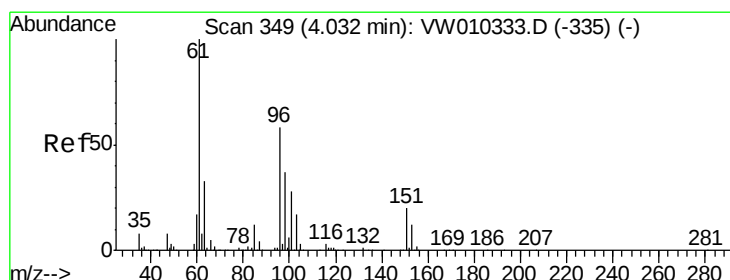
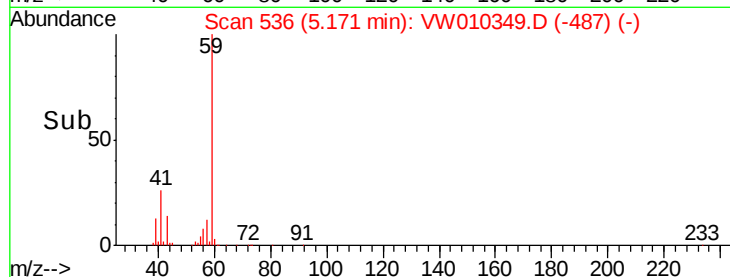
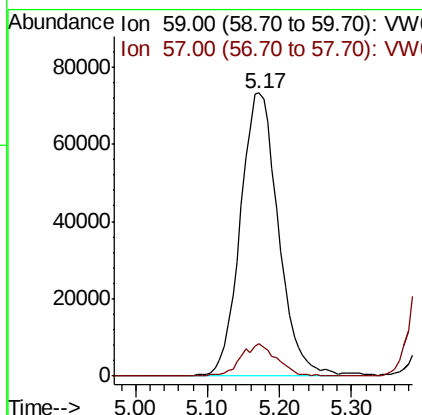
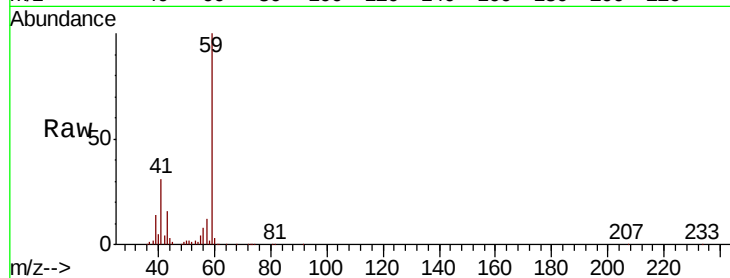


#11

Tert butyl alcohol
 Concen: 259.281 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :

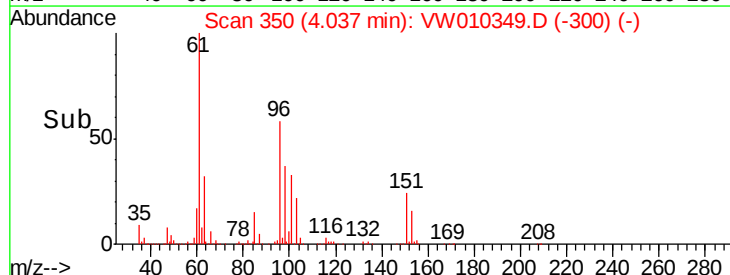
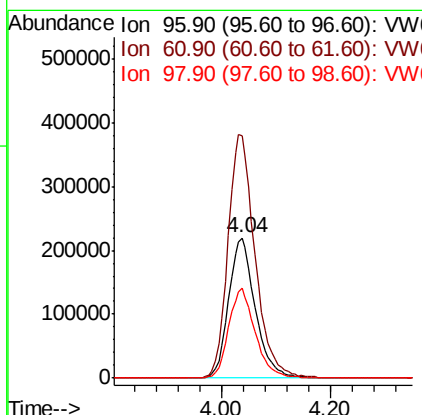
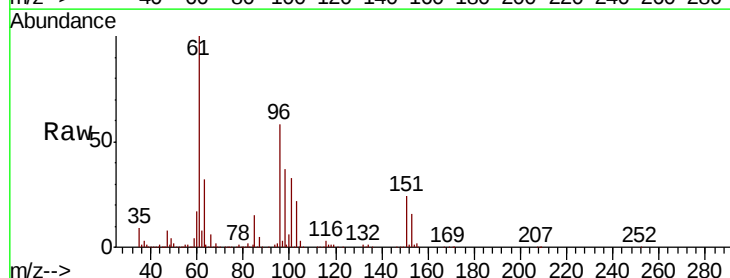
Tot Ion: 59 Resp: 268465
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.4

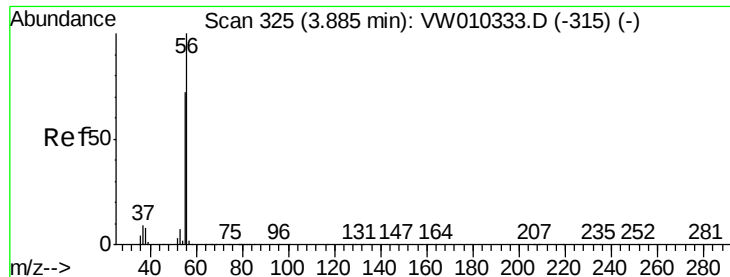


#12

1,1-Dichloroethene
 Concen: 49.645 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion: 96 Resp: 746557
 Ion Ratio Lower Upper
 96 100
 61 172.9 147.4 221.2
 98 63.7 49.7 74.5

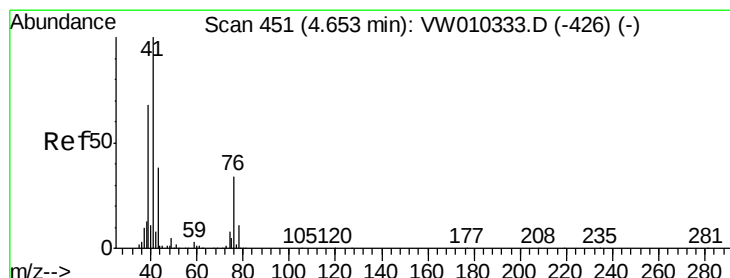
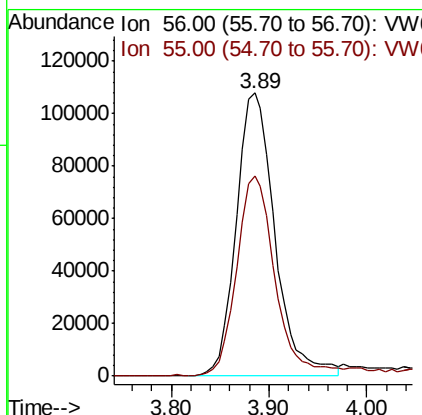
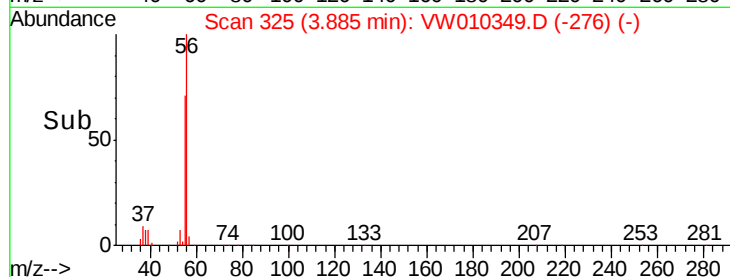
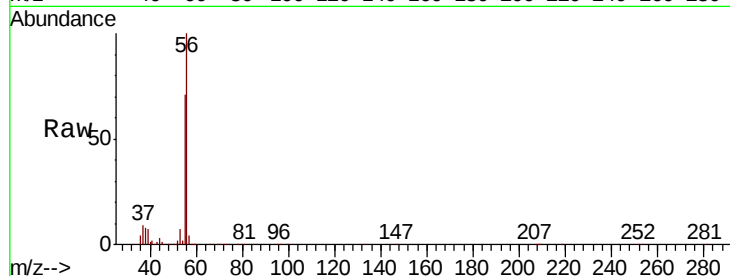




#13
Acrolein
Concen: 215.193 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

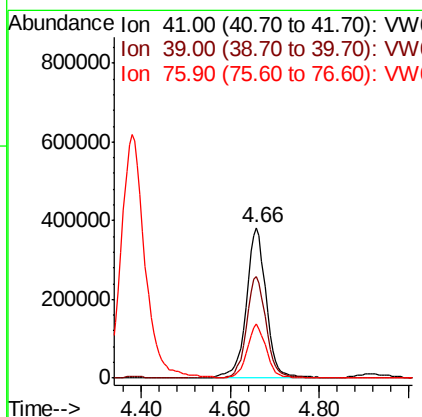
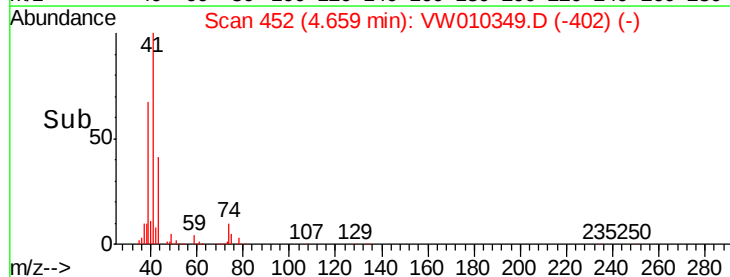
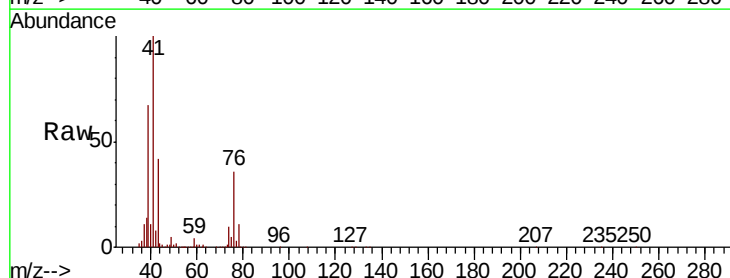
Instrument :
MSVOA_W
ClientSampleId :

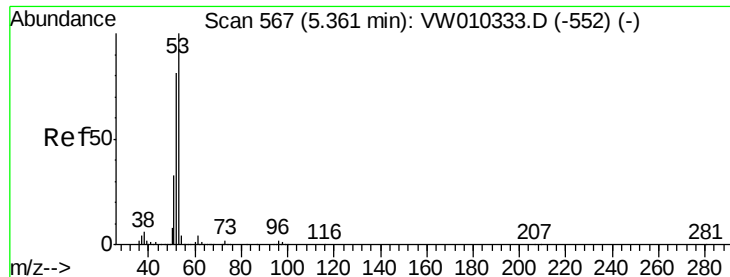
Tot Ion: 56 Resp: 294175
Ion Ratio Lower Upper
56 100
55 70.7 54.2 81.2



#14
Allyl chloride
Concen: 53.280 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 41 Resp: 1196005
Ion Ratio Lower Upper
41 100
39 66.6 60.2 90.4
76 33.7 25.0 37.6





#15

Acrylonitrile

Concen: 254.657 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

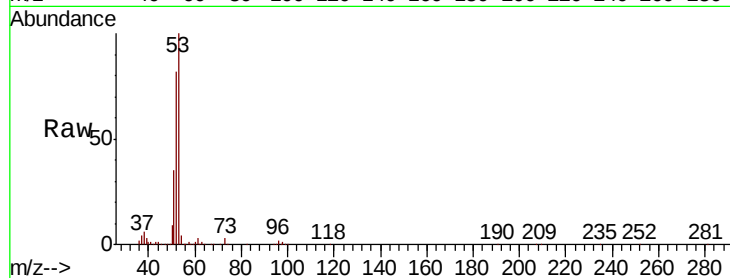
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 1089817

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	100.0
51	36.3	30.3	45.5

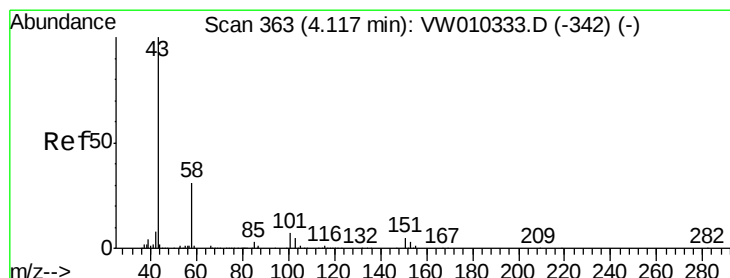
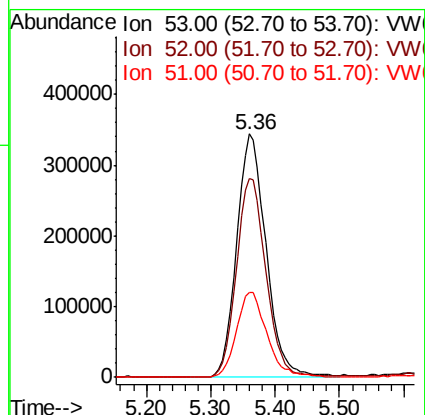
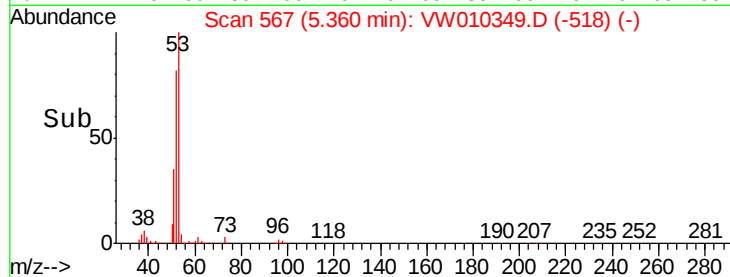


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 247.897 ug/l

RT: 4.12 min Scan# 363

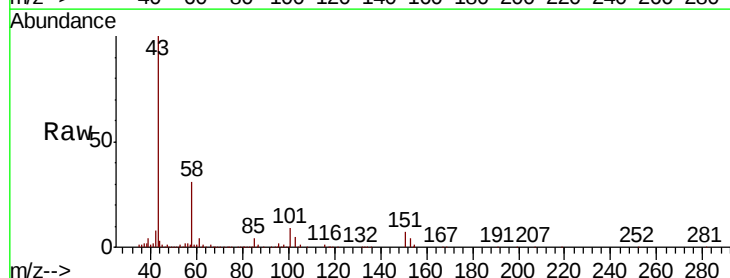
Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion: 43 Resp: 947505

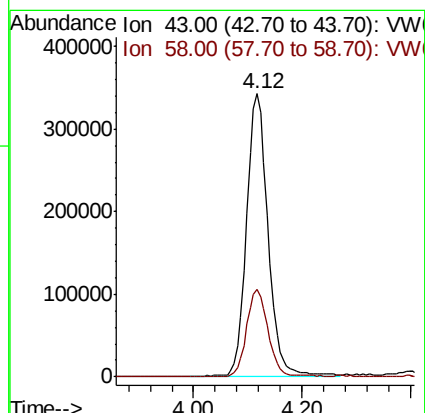
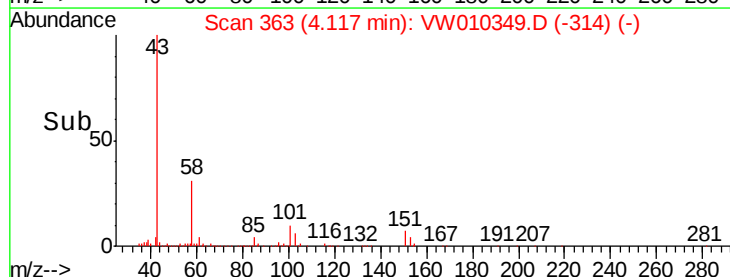
Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.7	34.1

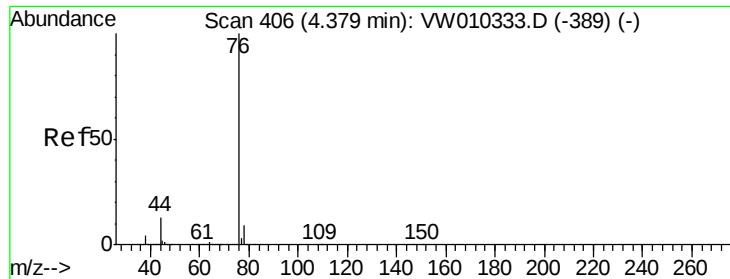


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

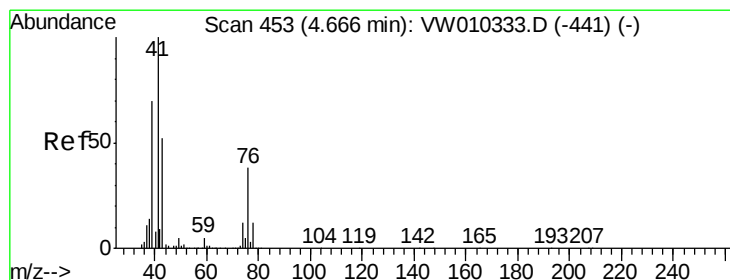
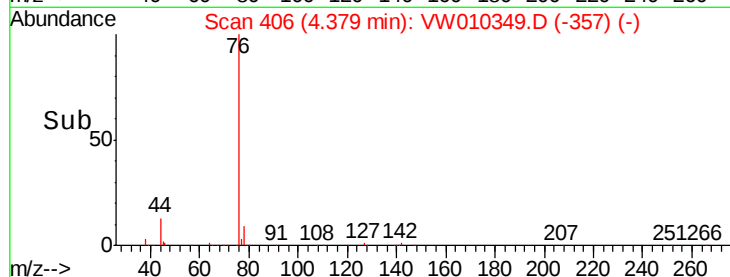
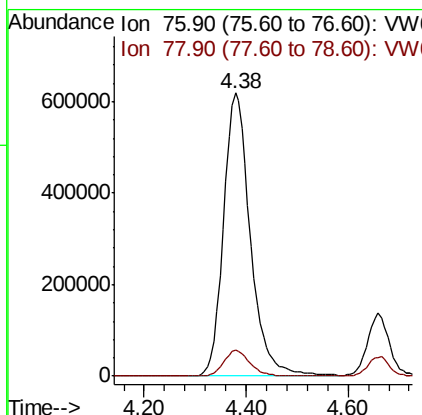
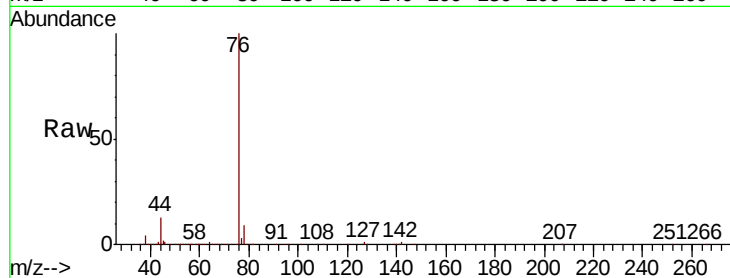




#17
Carbon Disulfide
Concen: 49.684 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

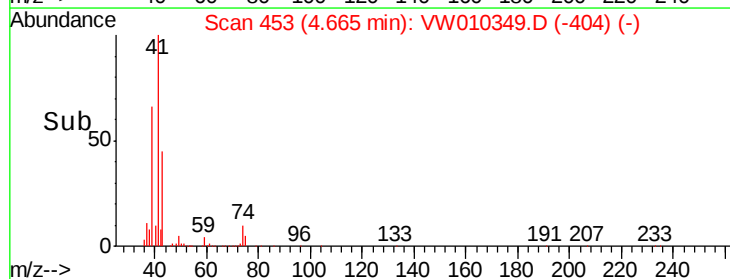
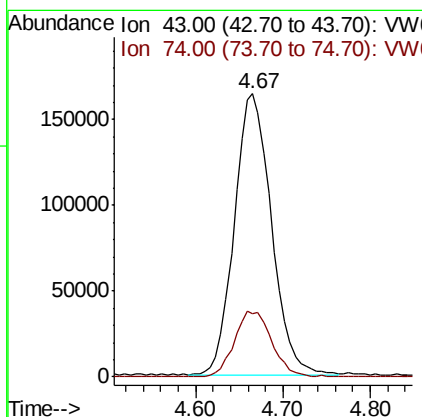
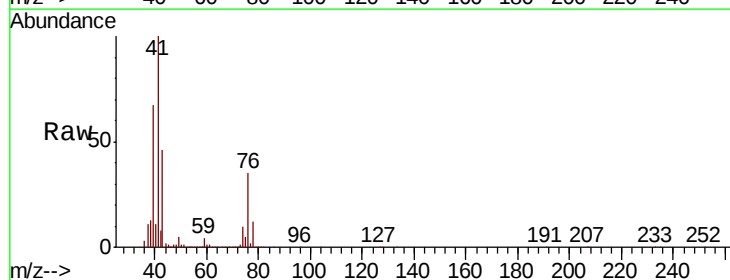
Instrument :
MSVOA_W
ClientSampleId :

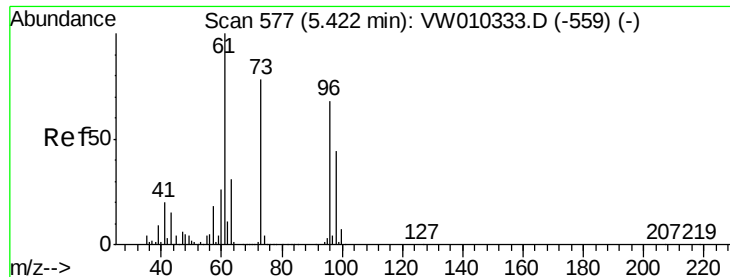
Tot Ion: 76 Resp: 2259725
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 50.896 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 43 Resp: 481844
Ion Ratio Lower Upper
43 100
74 23.8 16.8 25.2

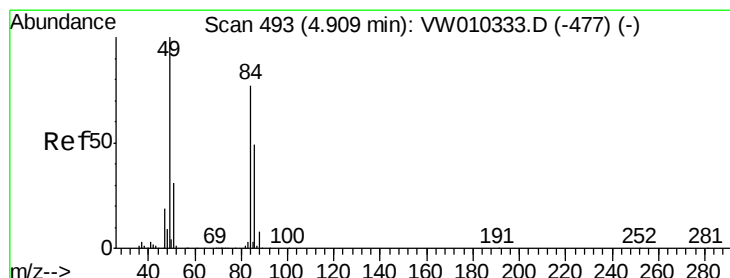
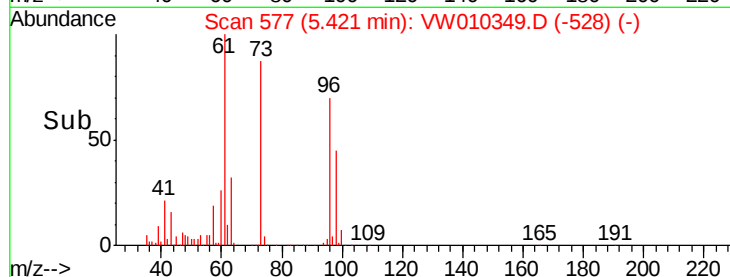
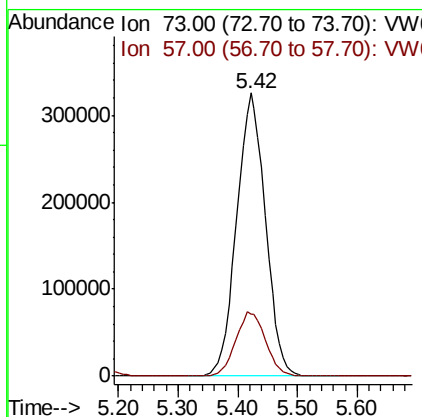
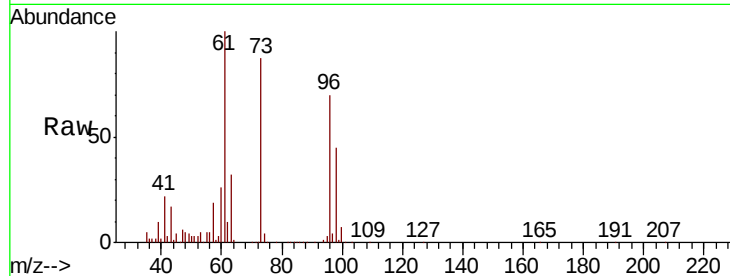




#19
Methyl tert-butyl Ether
Concen: 61.117 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

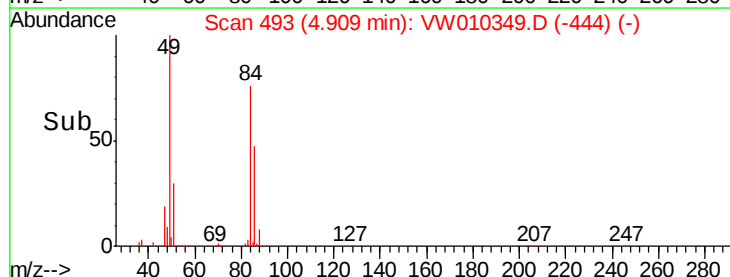
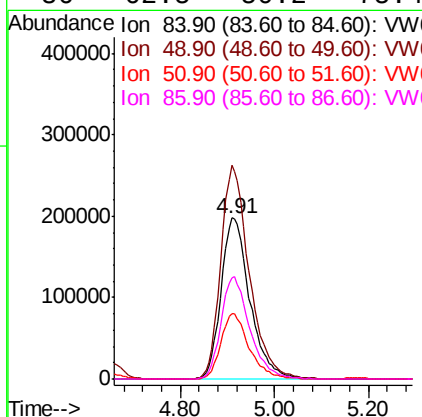
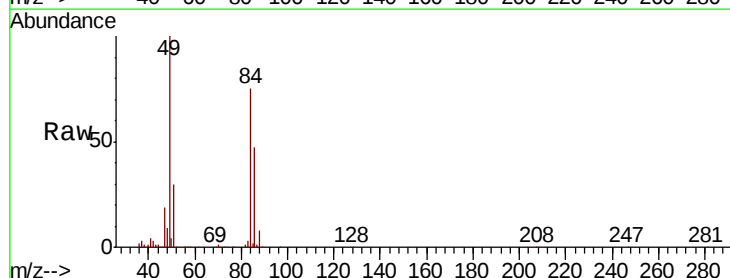
Instrument :
MSVOA_W
ClientSampleId :

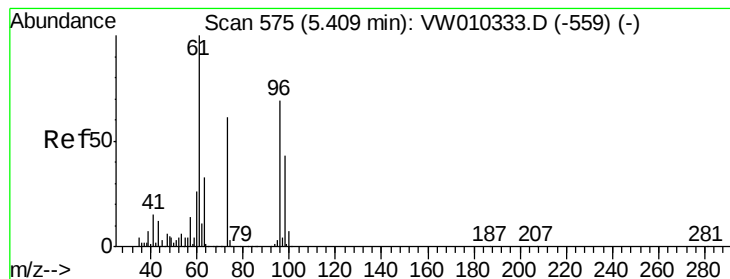
Tot Ion: 73 Resp: 1094108
Ion Ratio Lower Upper
73 100
57 21.9 18.5 27.7



#20
Methylene Chloride
Concen: 52.528 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 84 Resp: 837401
Ion Ratio Lower Upper
84 100
49 132.5 112.3 168.5
51 40.2 33.9 50.9
86 62.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 52.964 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampled :

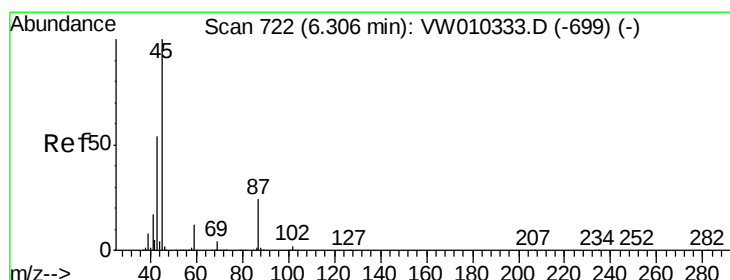
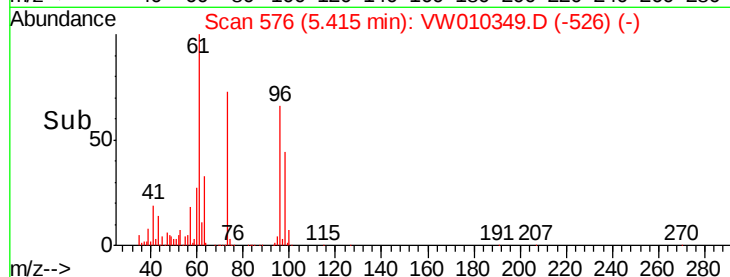
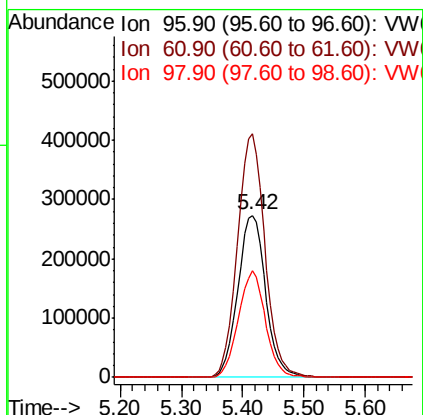
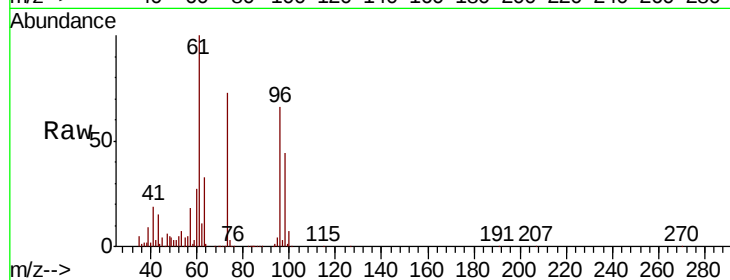
Tot Ion: 96 Resp: 857335

Ion Ratio Lower Upper

96 100

61 150.6 122.3 183.5

98 65.6 50.5 75.7



#22

Diisopropyl ether

Concen: 61.371 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion: 45 Resp: 2673670

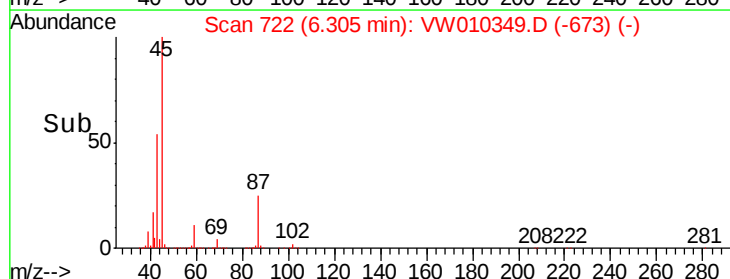
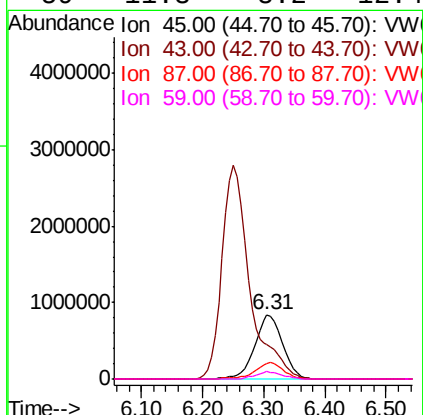
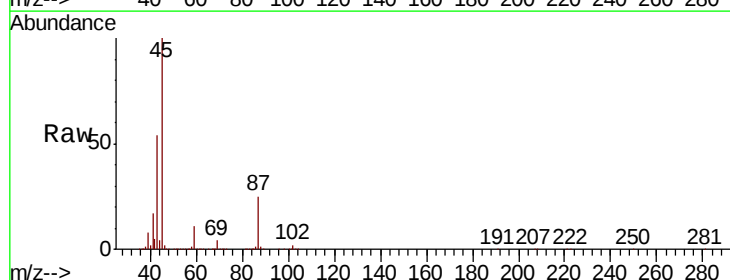
Ion Ratio Lower Upper

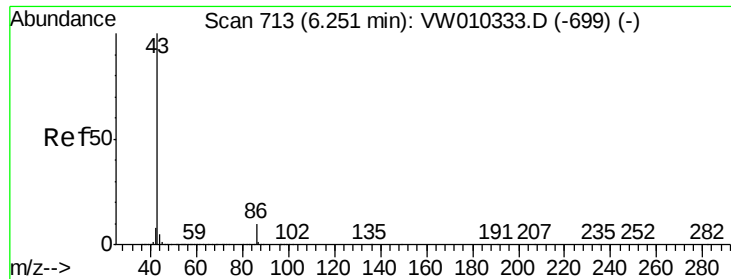
45 100

43 53.6 46.1 69.1

87 24.6 18.3 27.5

59 11.3 8.2 12.4

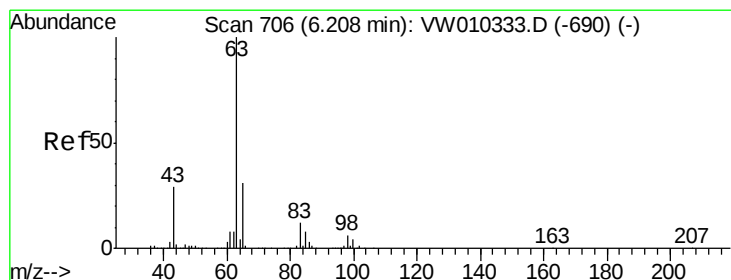
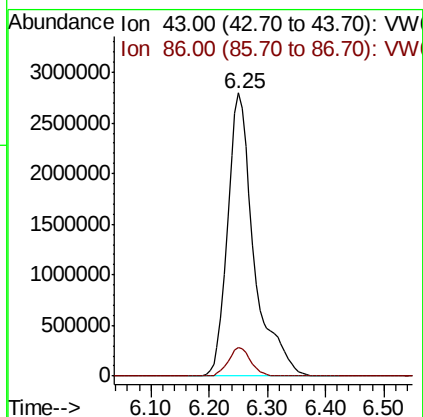
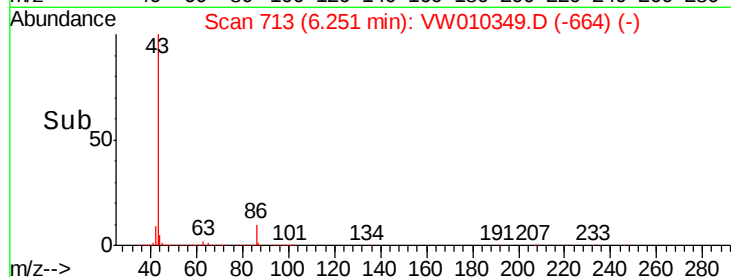
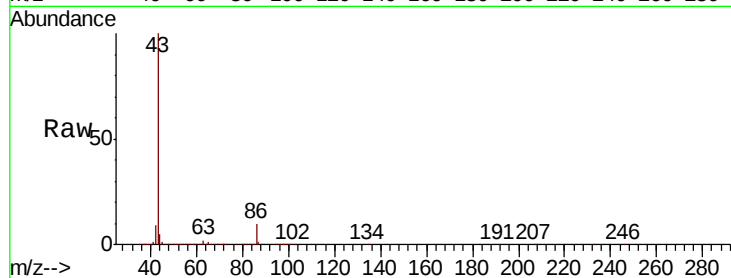




#23
 Vinyl Acetate
 Concen: 294.588 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

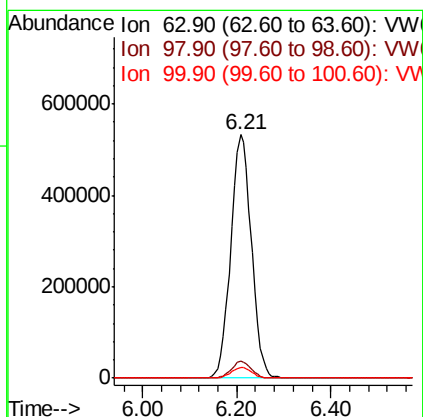
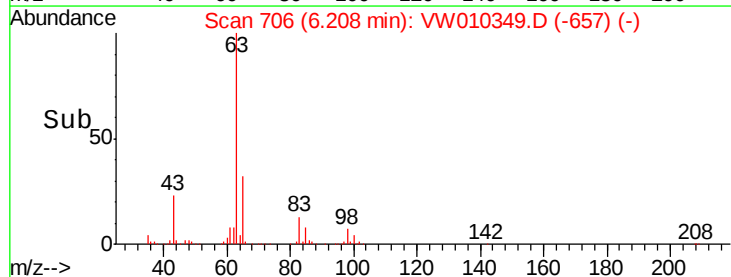
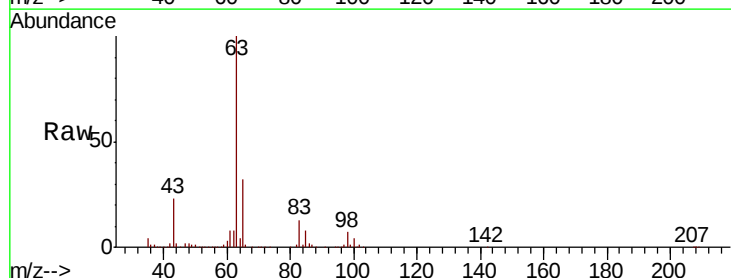
Instrument :
 MSVOA_W
 ClientSampleId :

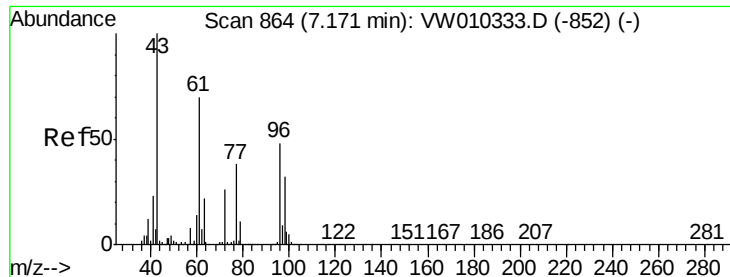
Tot Ion: 43 Resp: 8812380
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 55.035 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion: 63 Resp: 1614253
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 261.333 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

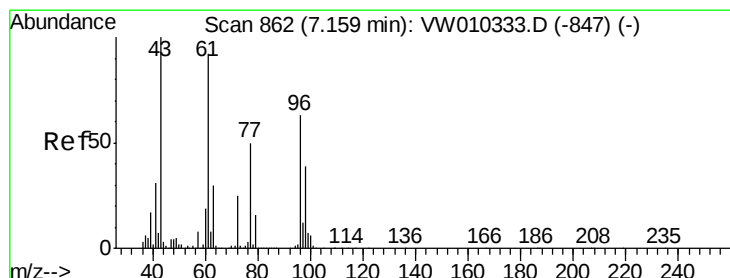
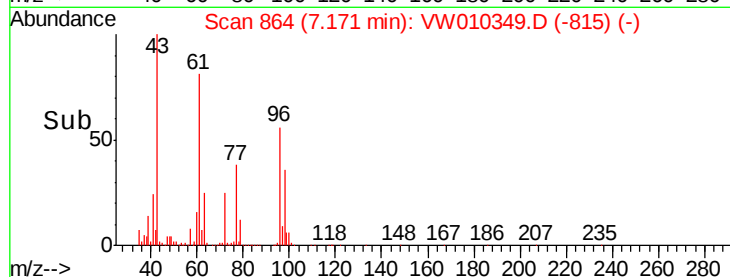
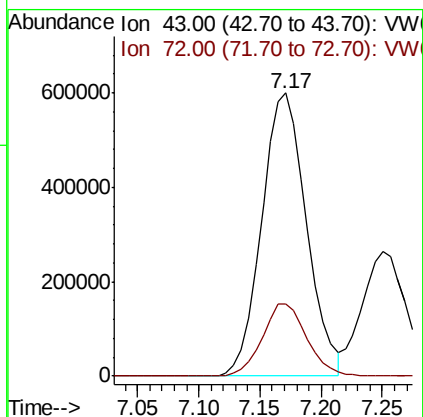
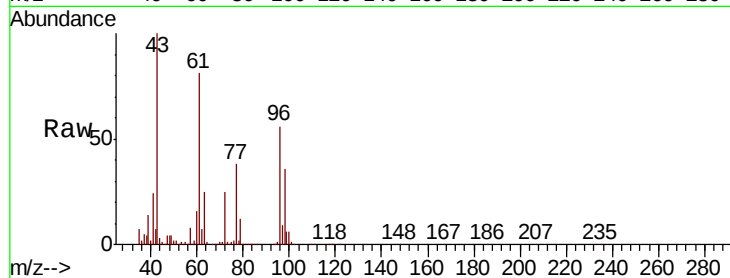
ClientSampleId :

Tot Ion: 43 Resp: 1528063

Ion Ratio Lower Upper

43 100

72 25.5 19.1 28.7



#26

2,2-Dichloropropane

Concen: 50.250 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010349.D

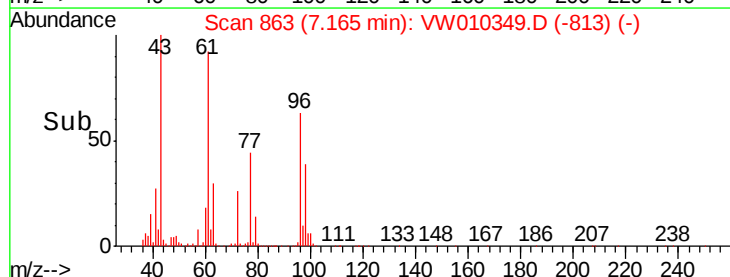
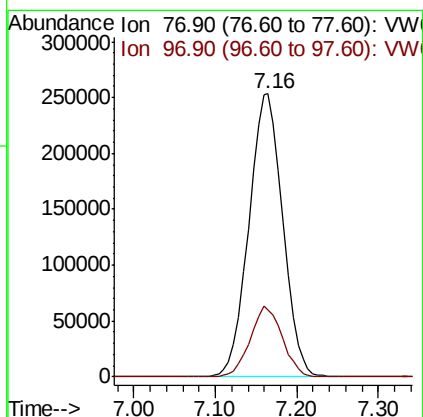
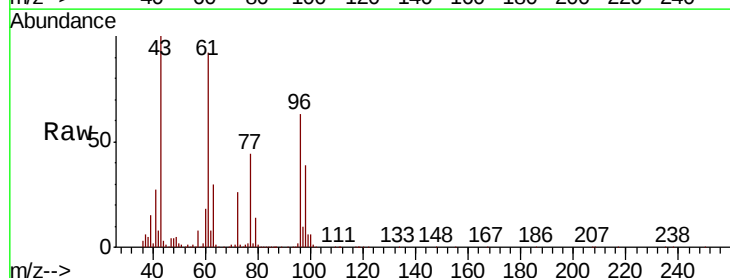
Acq: 09 May 2019 20:58

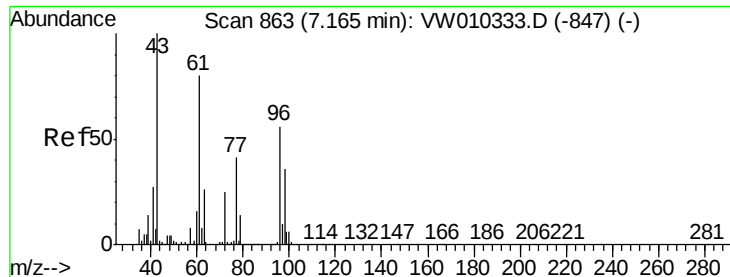
Tgt Ion: 77 Resp: 733313

Ion Ratio Lower Upper

77 100

97 23.8 11.3 33.9



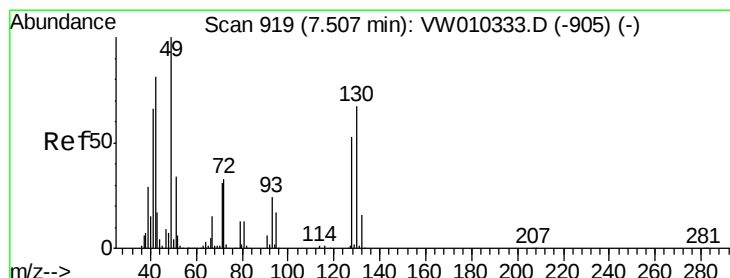
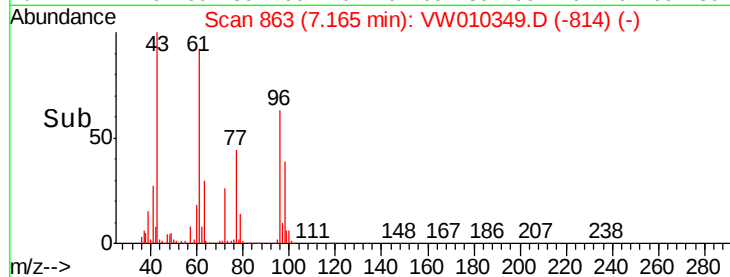
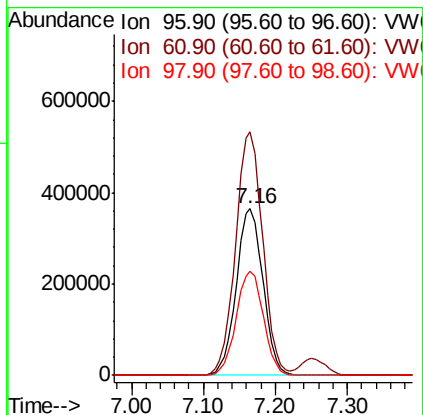
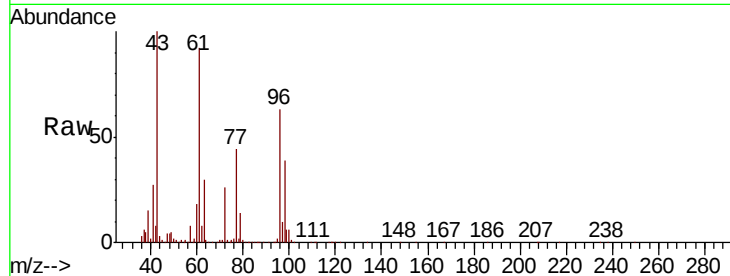


#27

cis-1,2-Dichloroethene
 Concen: 56.533 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampled :

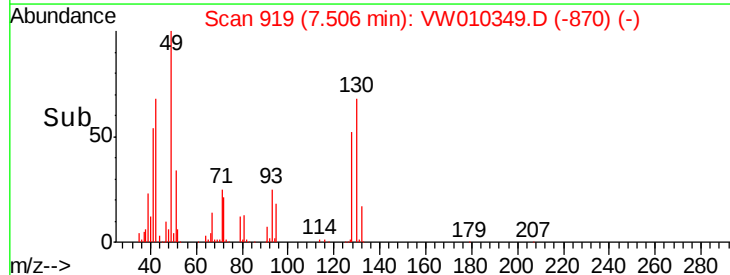
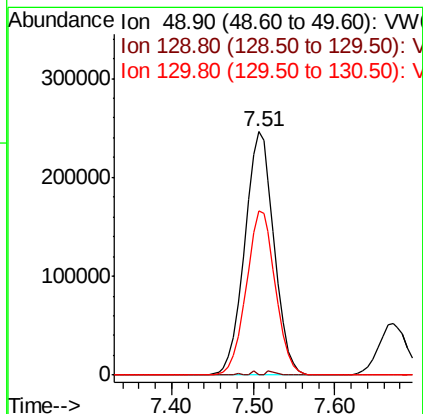
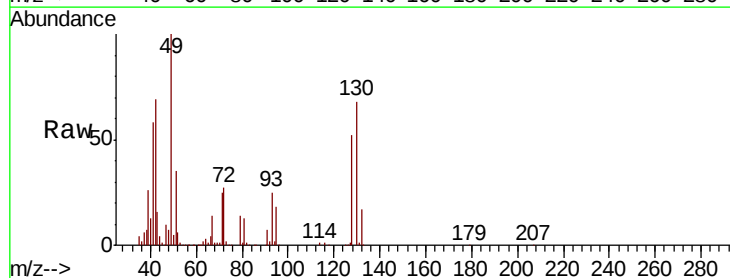
Tot Ion	96	Resp	941092
Ion Ratio	Lower	Upper	
96	100		
61	148.0	0.0	309.4
98	63.6	0.0	128.6

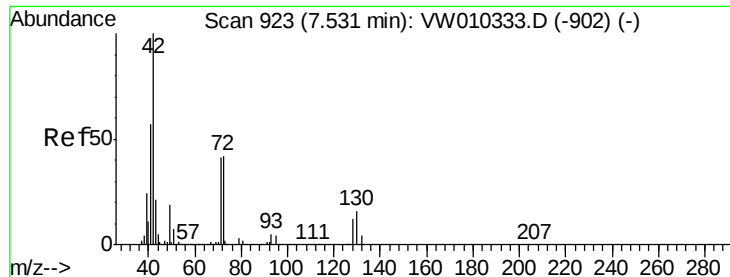


#28

Bromochloromethane
 Concen: 56.840 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	49	Resp	614648
Ion Ratio	Lower	Upper	
49	100		
129	0.4	0.0	3.8
130	67.1	54.6	82.0

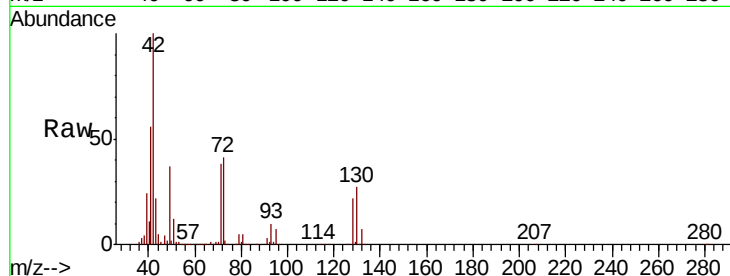




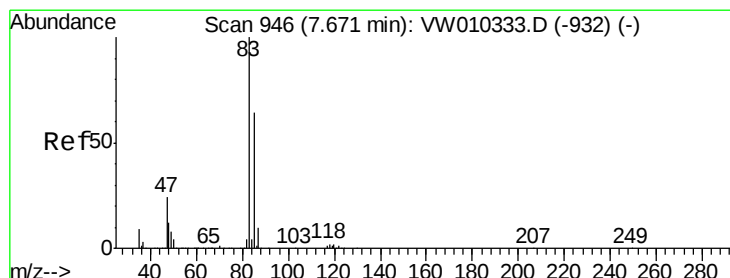
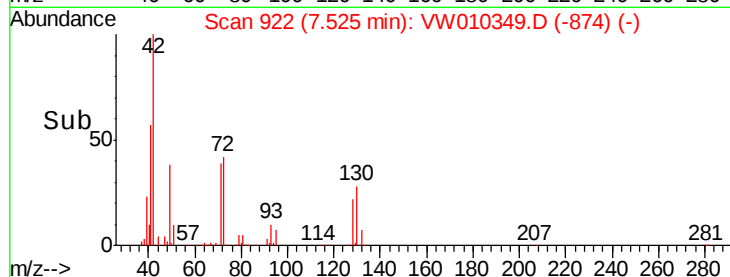
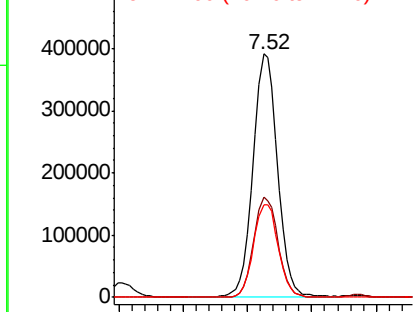
#29
Tetrahydrofuran
Concen: 268.590 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 1015803
Ion Ratio Lower Upper
42 100
72 41.0 31.0 46.6
71 38.7 29.7 44.5

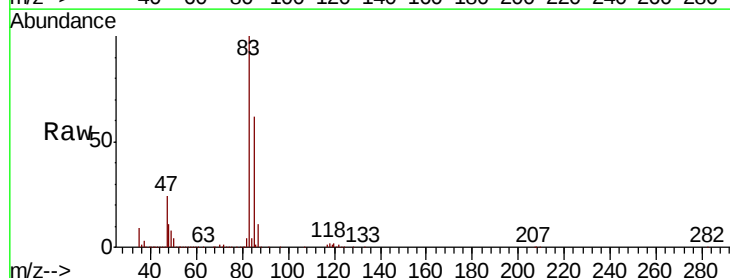


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

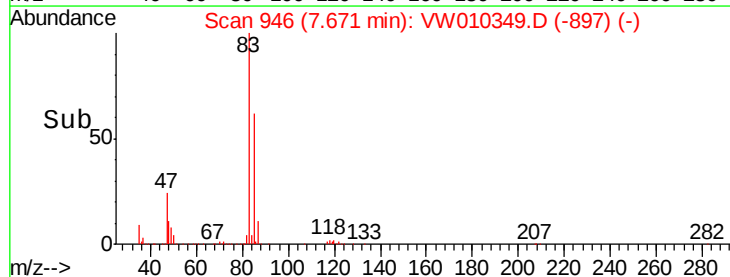
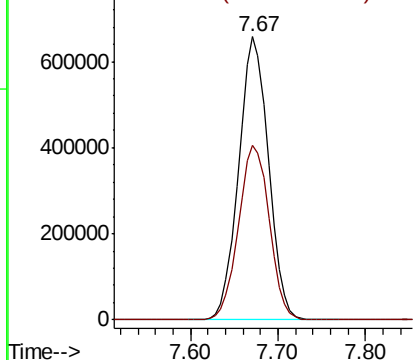


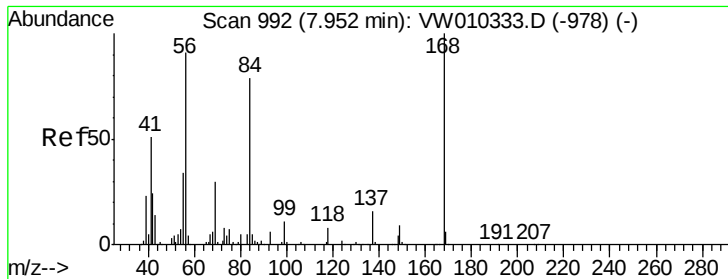
#30
Chloroform
Concen: 56.726 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 83 Resp: 1557129
Ion Ratio Lower Upper
83 100
85 61.9 50.7 76.1



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

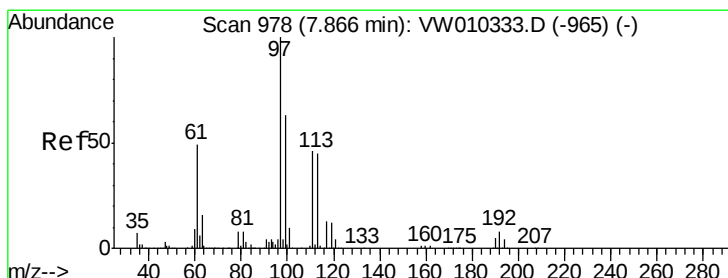
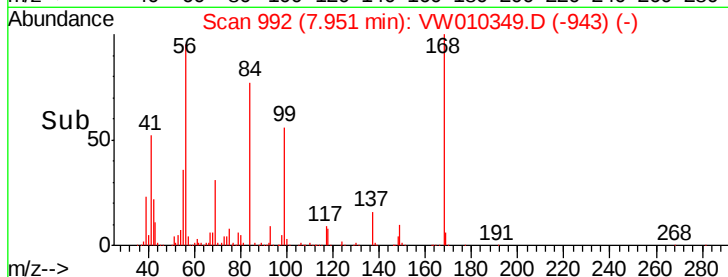
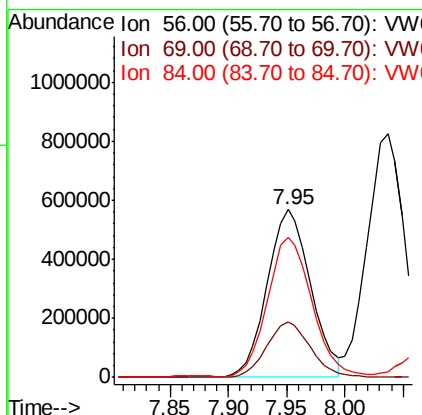
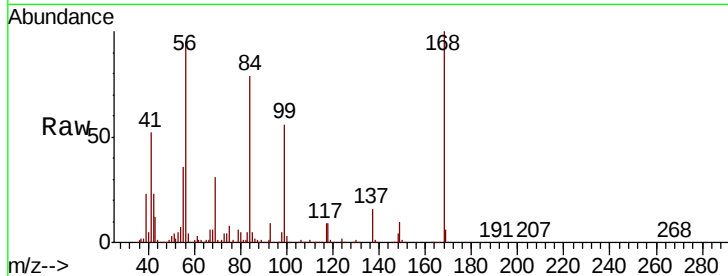




#31
Cyclohexane
Concen: 49.050 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

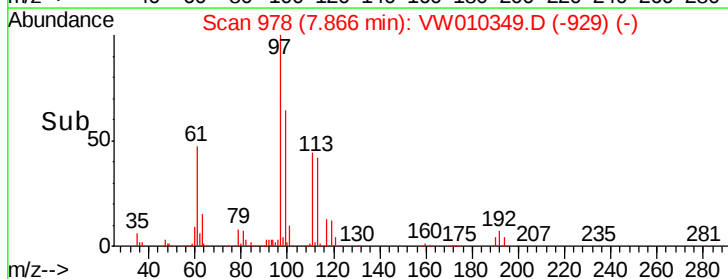
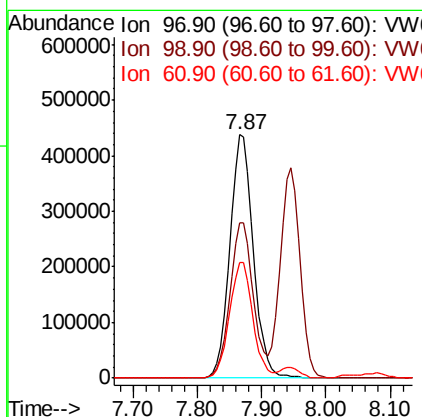
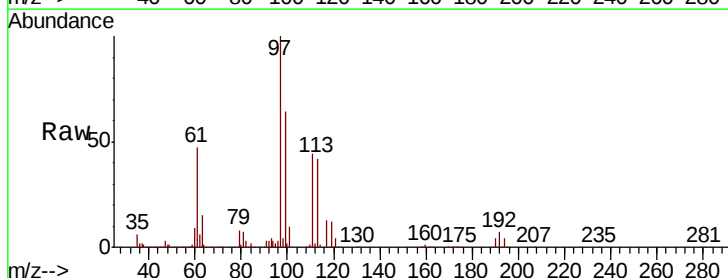
Instrument :
MSVOA_W
ClientSampled :

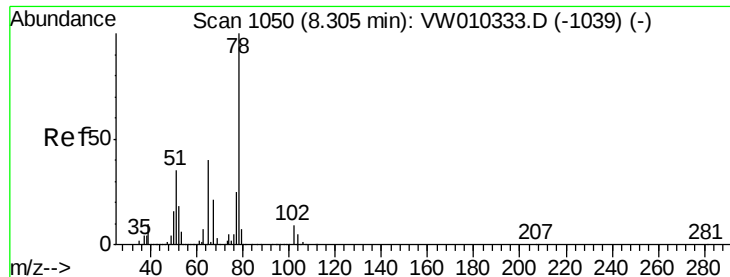
Tot Ion: 56 Resp: 1473080
Ion Ratio Lower Upper
56 100
69 32.9 26.6 40.0
84 82.2 66.2 99.2



#32
1,1,1-Trichloroethane
Concen: 52.459 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 97 Resp: 1115410
Ion Ratio Lower Upper
97 100
99 63.8 50.2 75.2
61 47.4 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 54.157 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

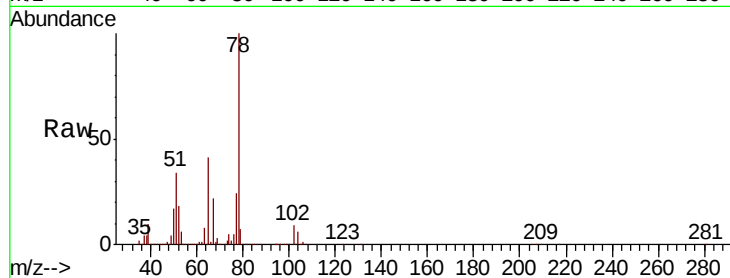
ClientSampleId :

Tot Ion: 65 Resp: 794034

Ion Ratio Lower Upper

65 100

67 53.0 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

400000

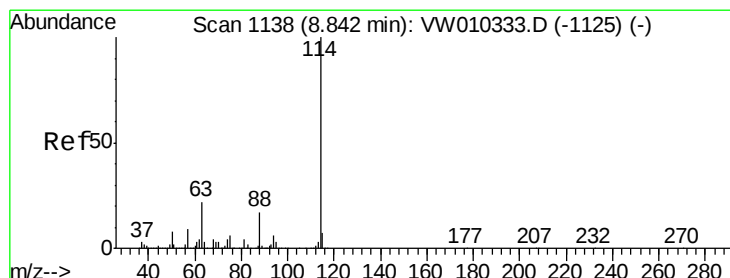
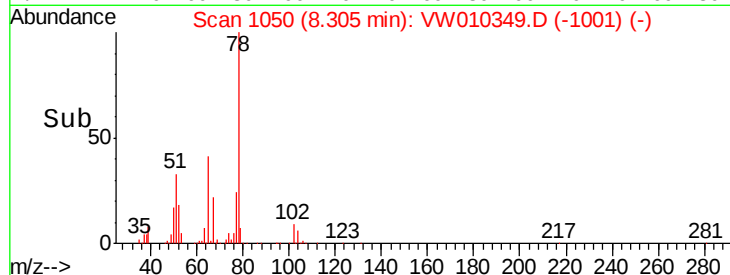
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

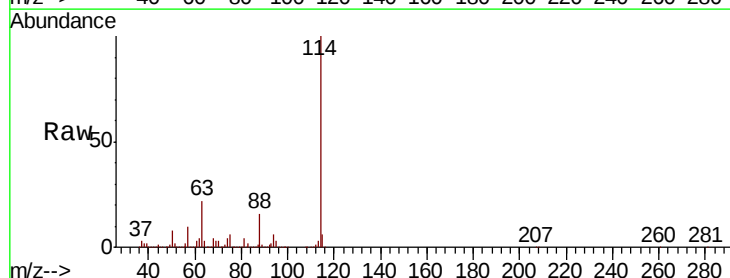
Tgt Ion: 114 Resp: 2282629

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

88 16.5 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

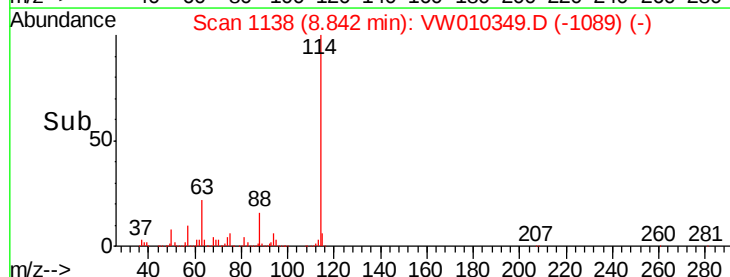
1500000

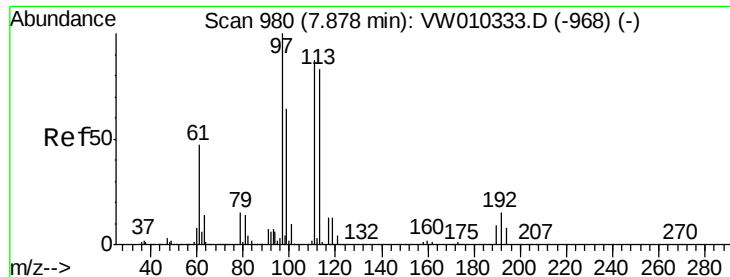
1000000

500000

0

Time-->

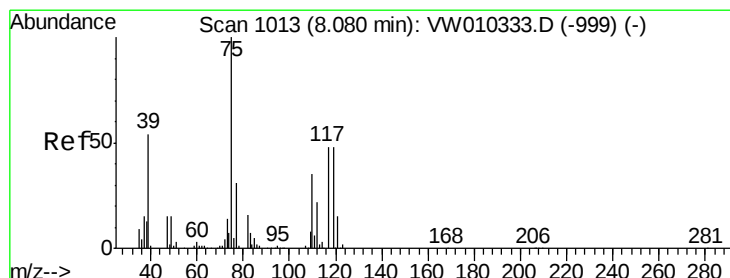
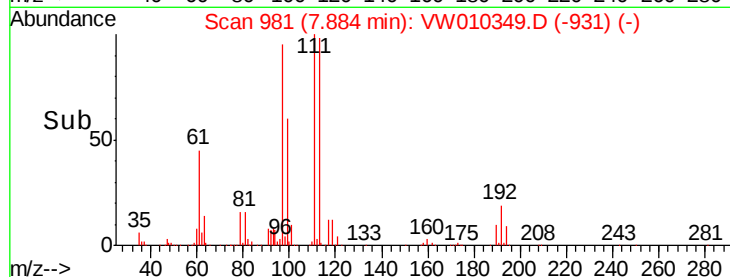
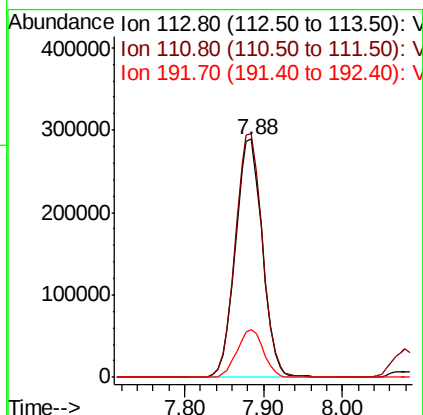
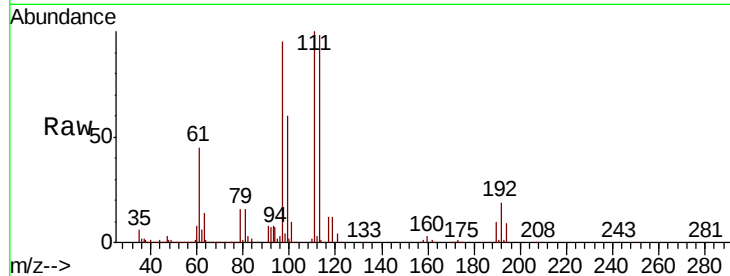




#35
 Dibromofluoromethane
 Concen: 51.322 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

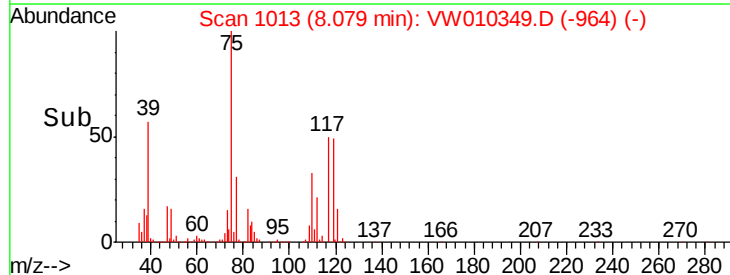
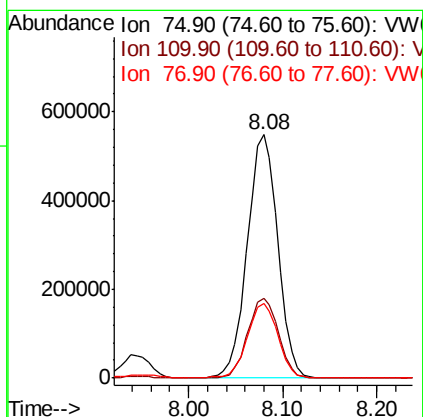
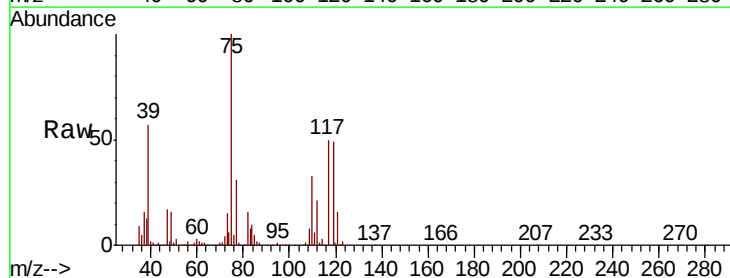
Instrument :
 MSVOA_W
 ClientSampleId :

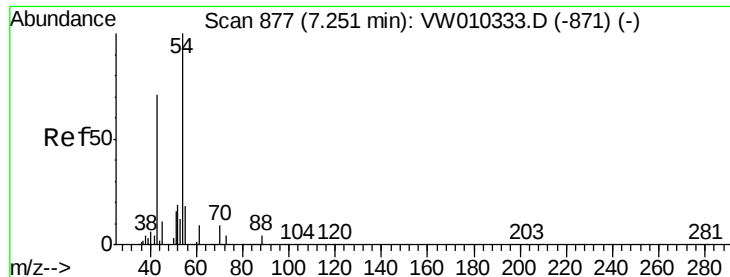
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.7	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 50.090 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.8
77	31.0	24.8	37.2

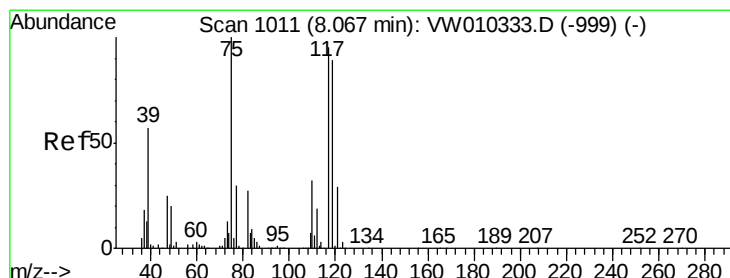
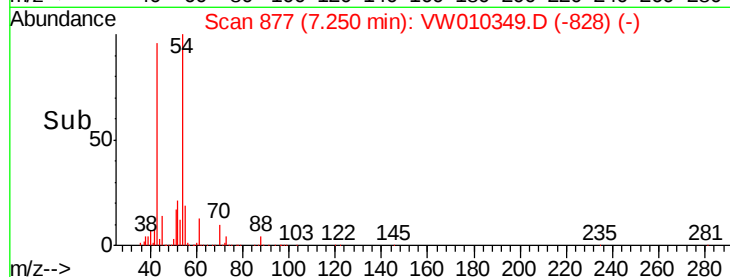
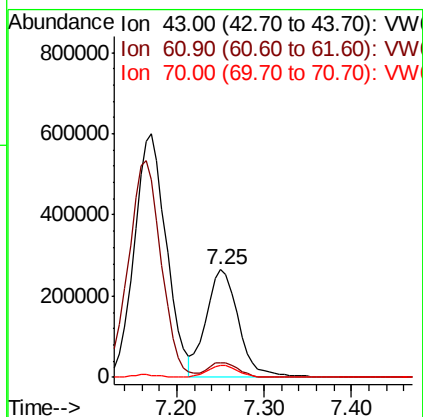
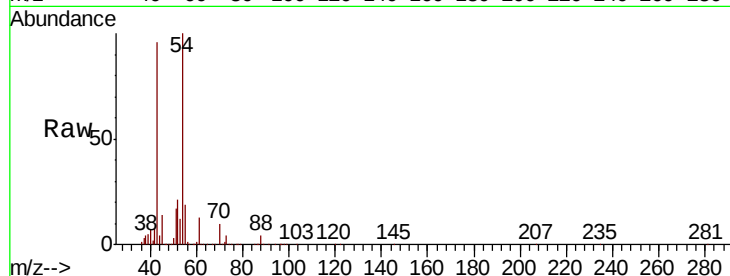




#37
Ethyl Acetate
Concen: 51.691 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

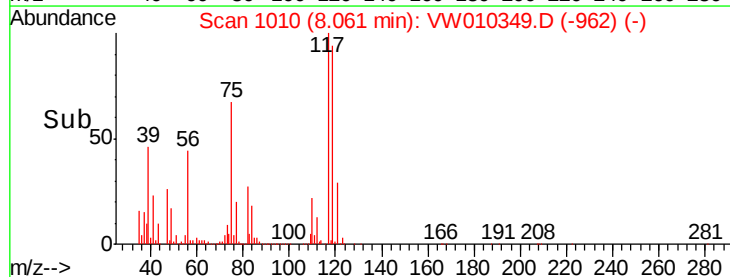
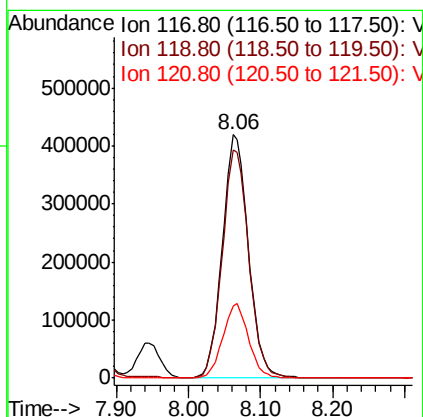
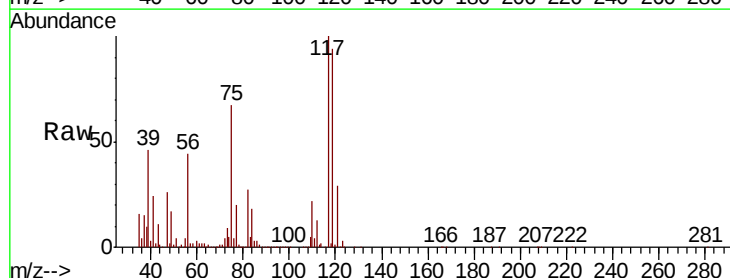
Instrument :
MSVOA_W
ClientSampled :

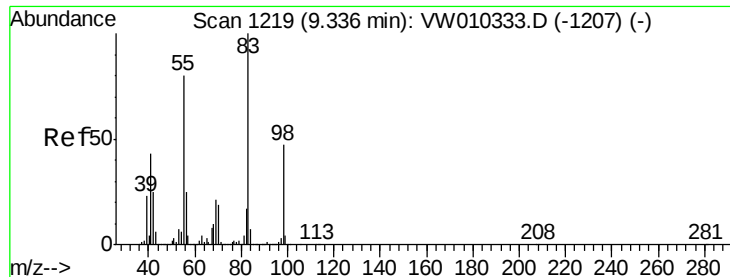
Tot Ion: 43 Resp: 681174
Ion Ratio Lower Upper
43 100
61 13.3 9.8 14.8
70 10.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 49.804 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 117 Resp: 1056647
Ion Ratio Lower Upper
117 100
119 93.5 75.3 112.9
121 29.4 24.4 36.6

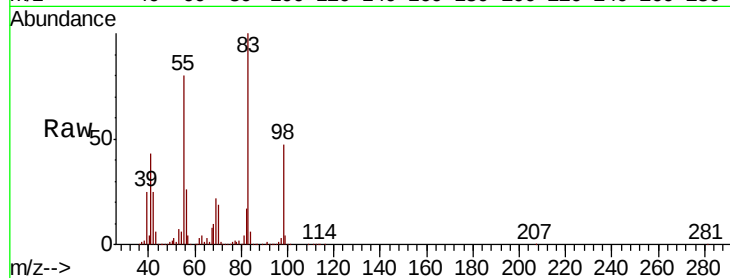




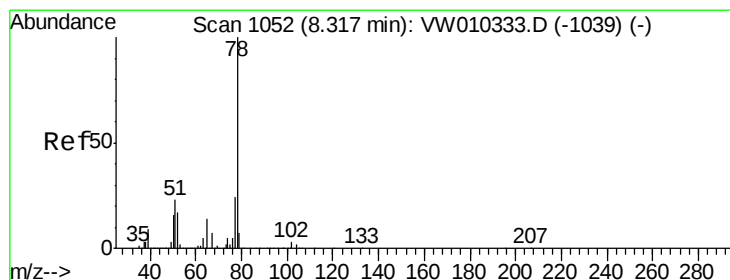
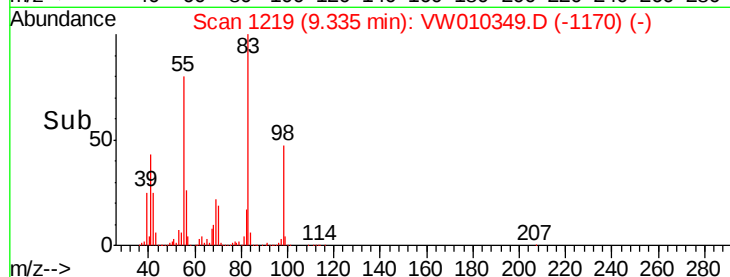
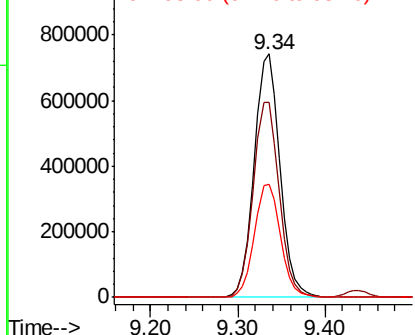
#39
Methvlcvclohexane
Concen: 50.172 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 1519051
Ion Ratio Lower Upper
83 100
55 80.0 67.1 100.7
98 46.7 39.2 58.8

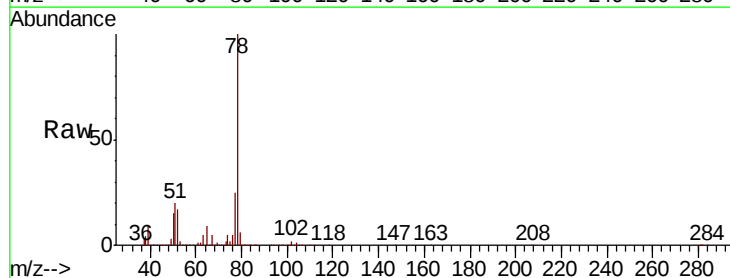


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

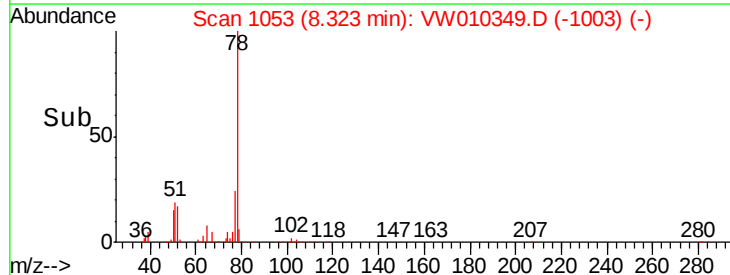
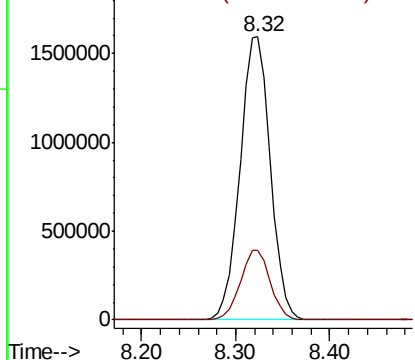


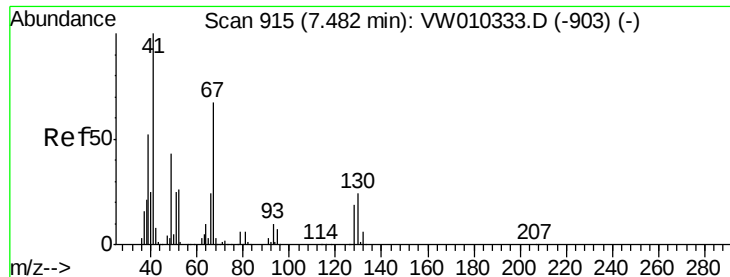
#40
Benzene
Concen: 52.728 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 78 Resp: 3573965
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

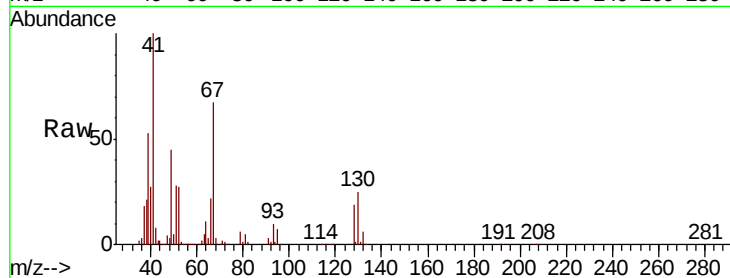




#41
Methacrylonitrile
Concen: 52.988 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	391597
Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.0	67.4
67	68.4	50.7	76.1
52	28.1	22.6	33.8



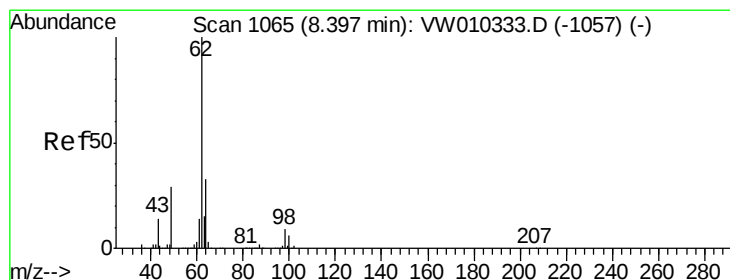
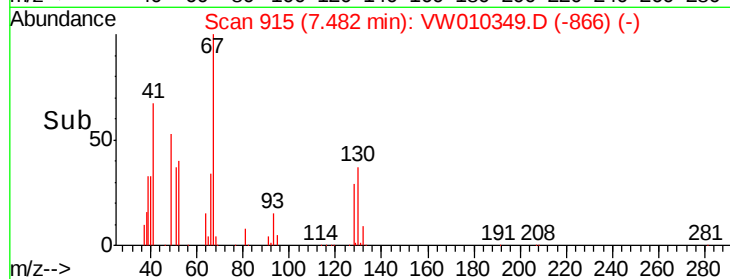
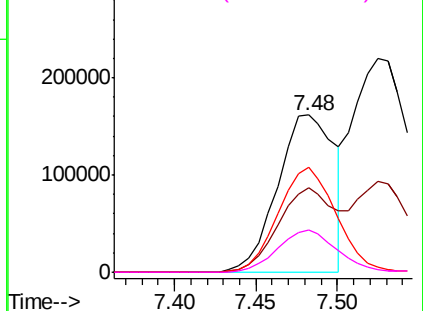
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

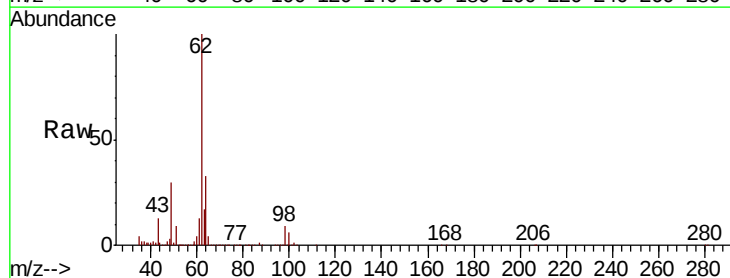
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 55.707 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

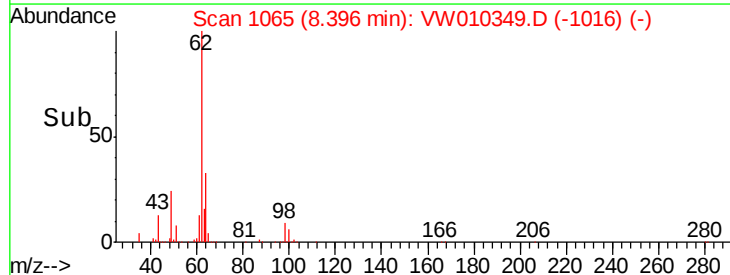
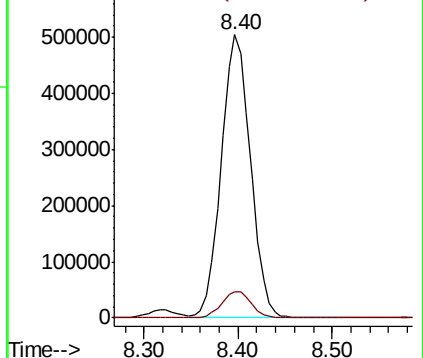
Tgt Ion:	62	Resp:	1080811
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.6

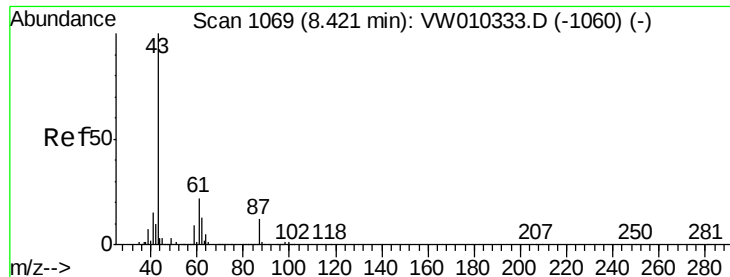


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.937 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

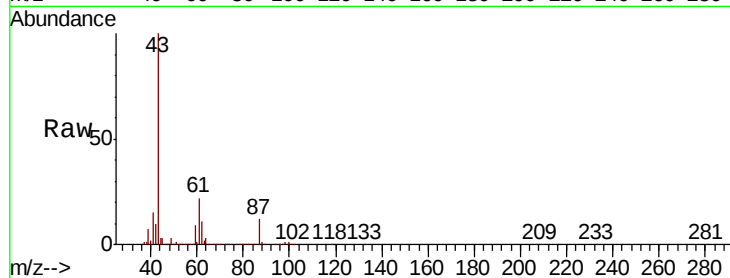
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1200656

Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.0	34.6
87	12.5	9.3	13.9

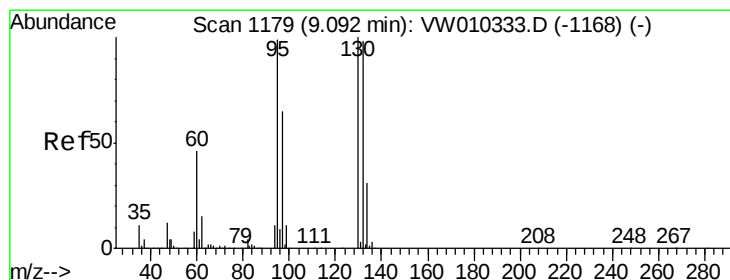
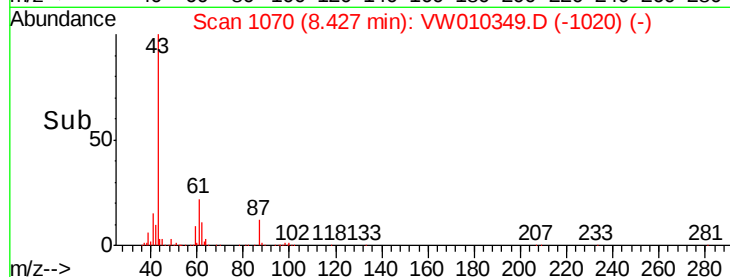
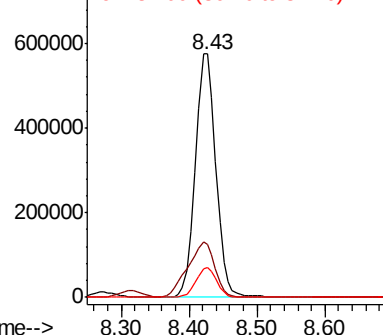


Abundance

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: 50.387 ug/l

RT: 9.09 min Scan# 1179

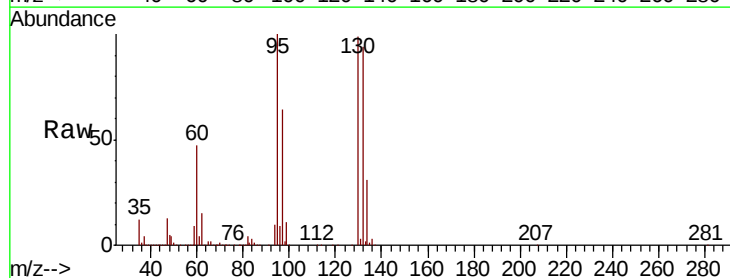
Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion: 130 Resp: 855017

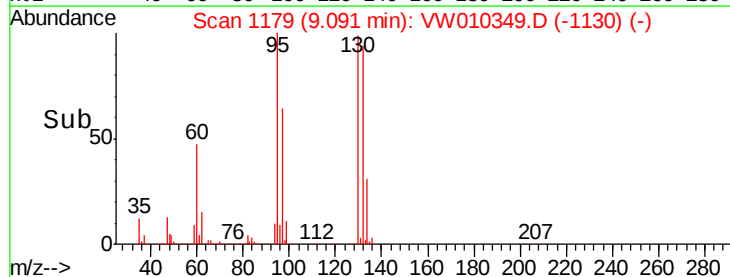
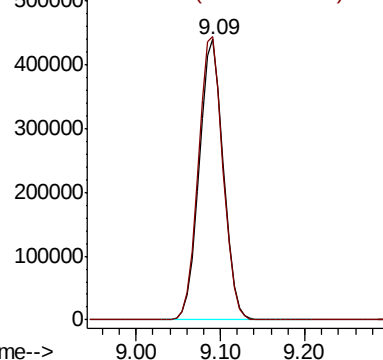
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	205.4

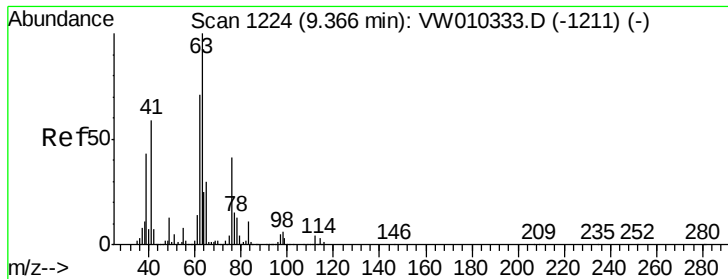


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 55.344 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

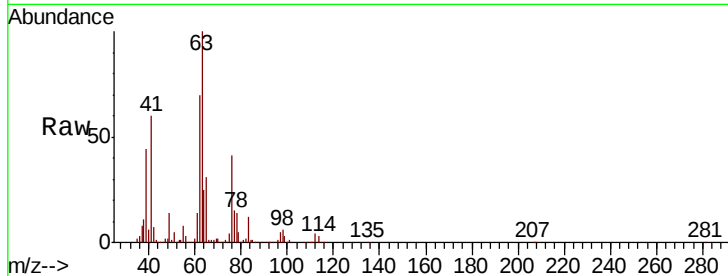
ClientSampled :

Tot Ion: 63 Resp: 932453

Ion Ratio Lower Upper

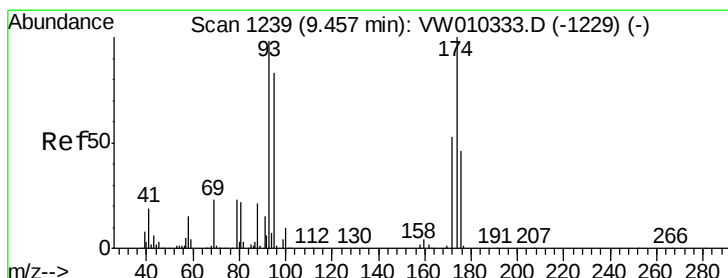
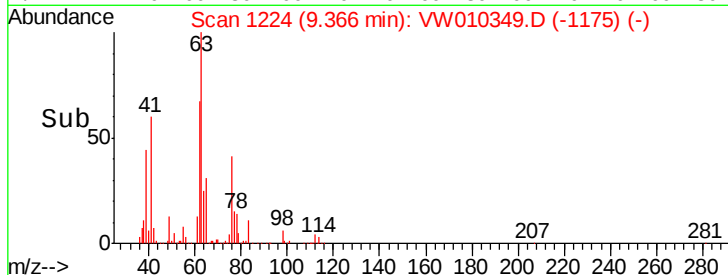
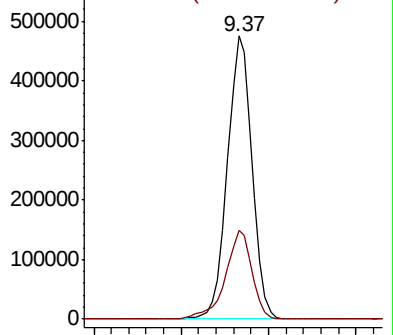
63 100

65 31.3 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 54.255 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

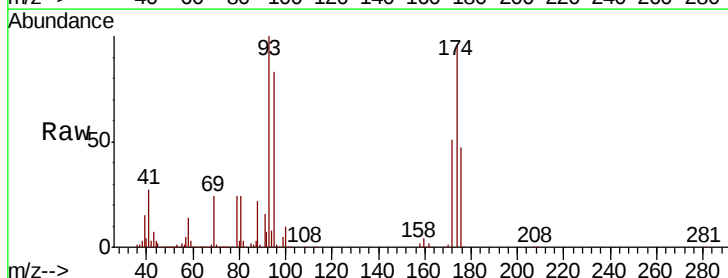
Tgt Ion: 93 Resp: 472242

Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.8

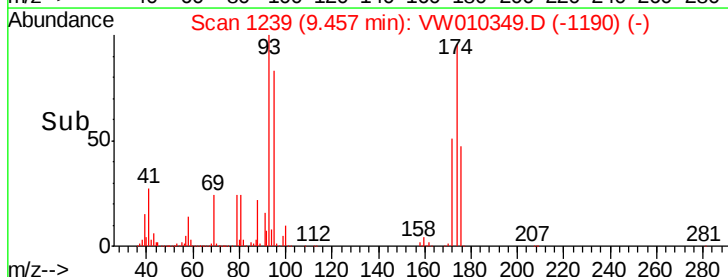
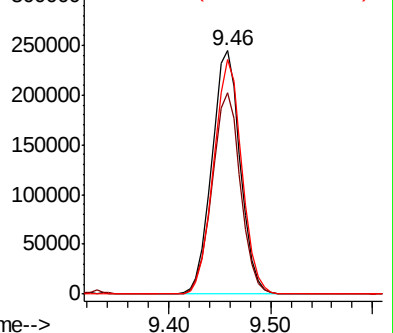
174 95.8 75.5 113.3

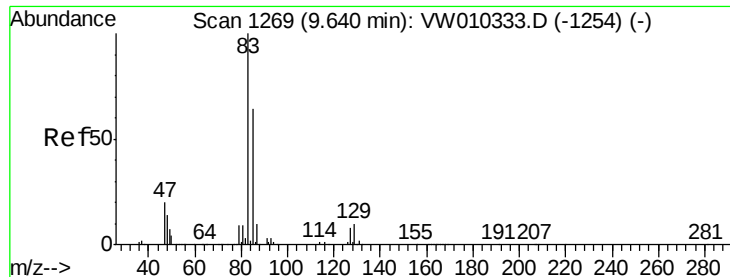


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.122 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampled :

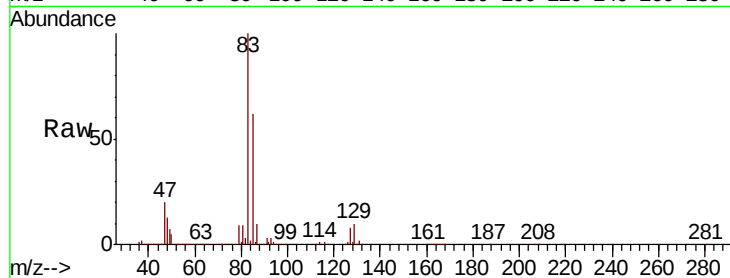
Tot Ion: 83 Resp: 1171766

Ion Ratio Lower Upper

83 100

85 62.3 50.6 75.8

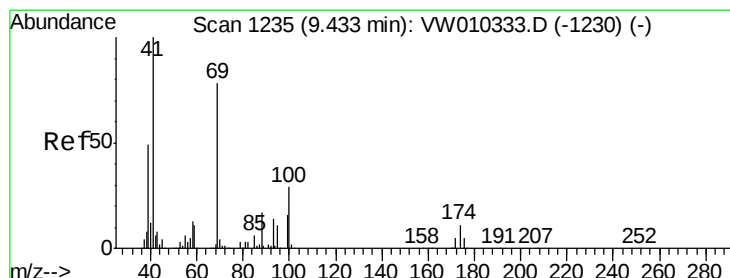
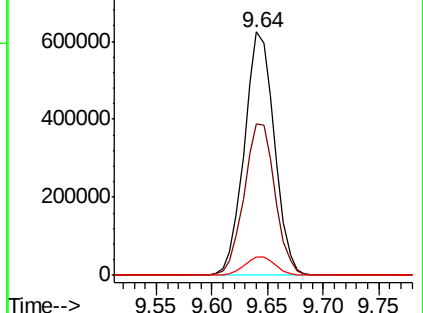
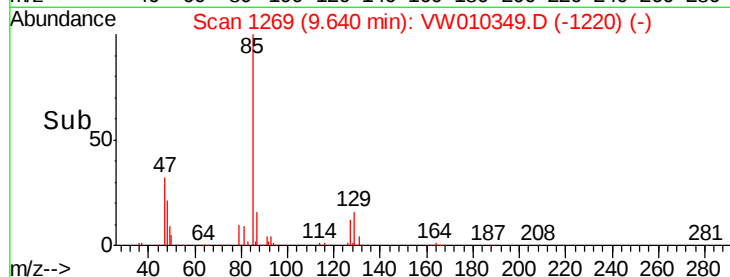
127 7.6 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 56.160 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

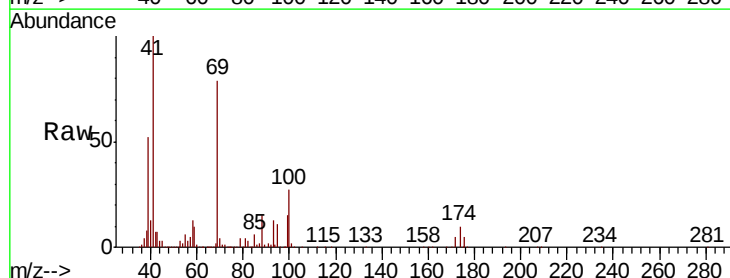
Tgt Ion: 41 Resp: 580335

Ion Ratio Lower Upper

41 100

69 86.2 60.1 90.1

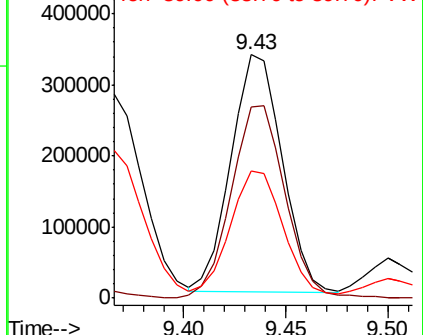
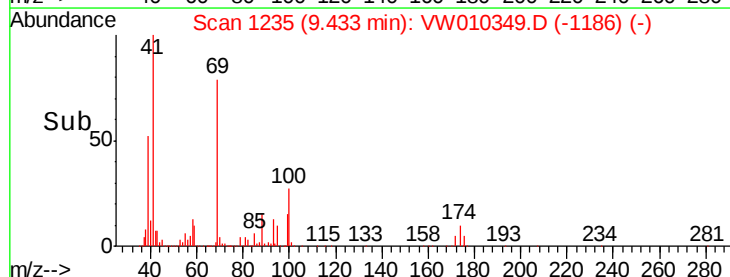
39 56.6 51.0 76.6

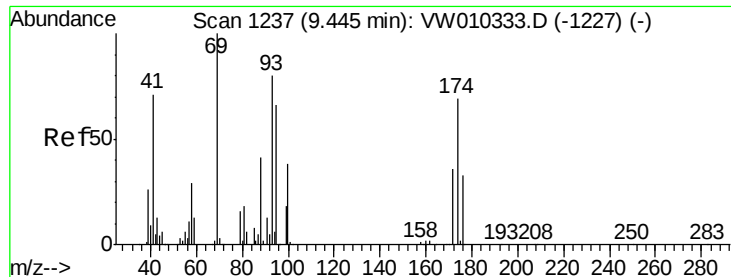


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1104.386 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampled :

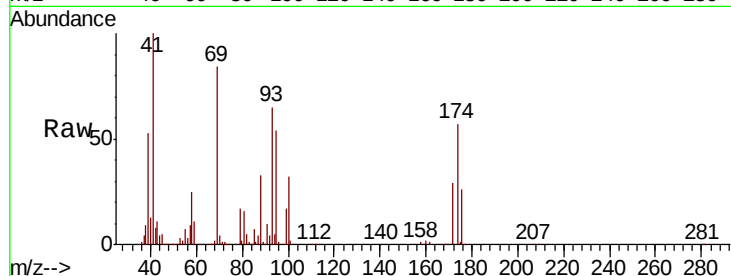
Tot Ion: 88 Resp: 167636

Ion Ratio Lower Upper

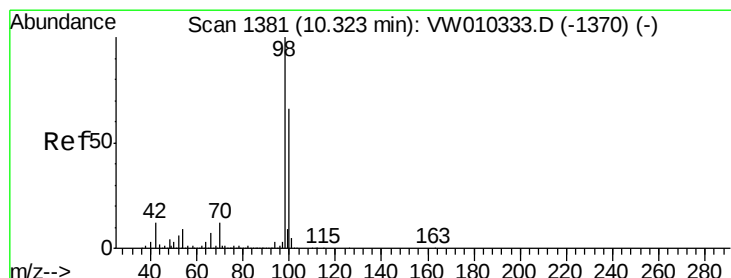
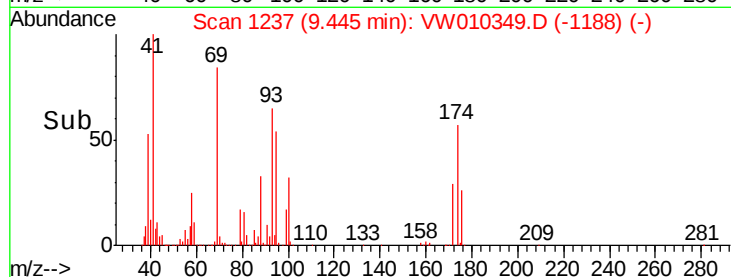
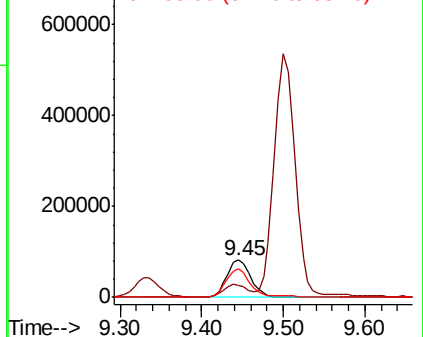
88 100

43 34.7 31.9 47.9

58 78.7 61.8 92.6



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



#50

Toluene-d8

Concen: 50.335 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010349.D

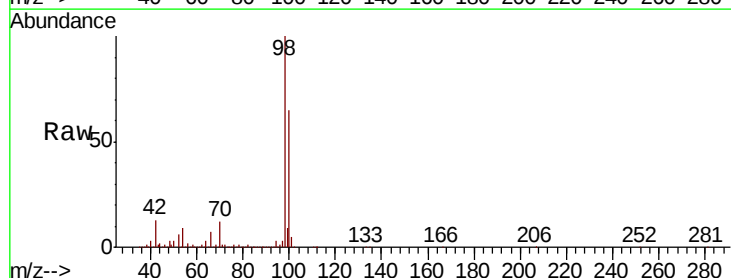
Acq: 09 May 2019 20:58

Tgt Ion: 98 Resp: 2737861

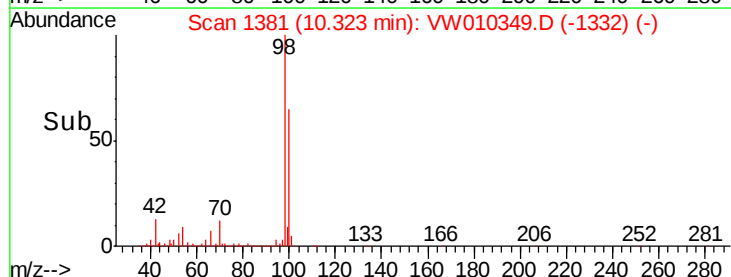
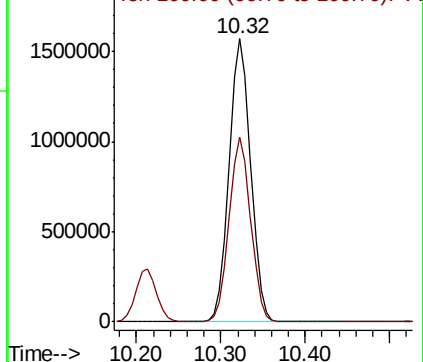
Ion Ratio Lower Upper

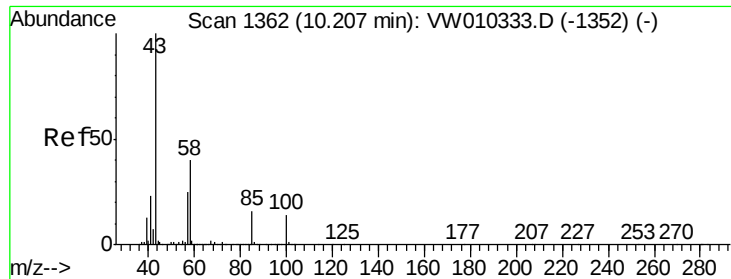
98 100

100 65.5 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 270.710 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

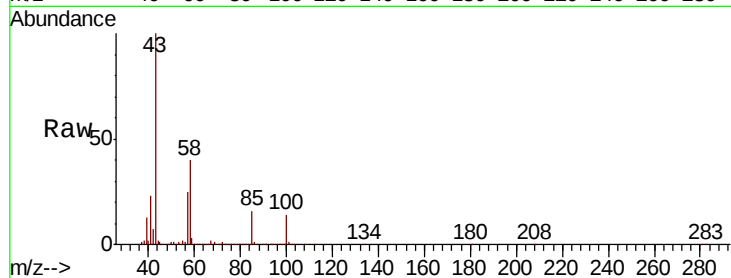
ClientSampled :

Tot Ion: 43 Resp: 3392481

Ion Ratio Lower Upper

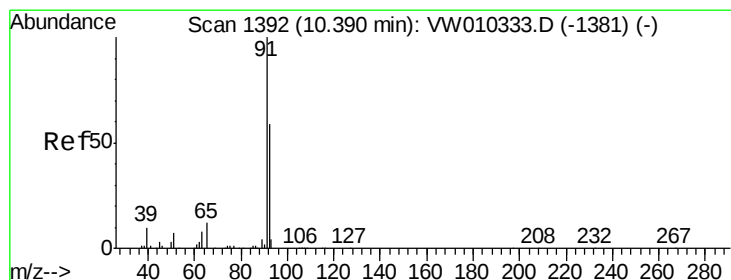
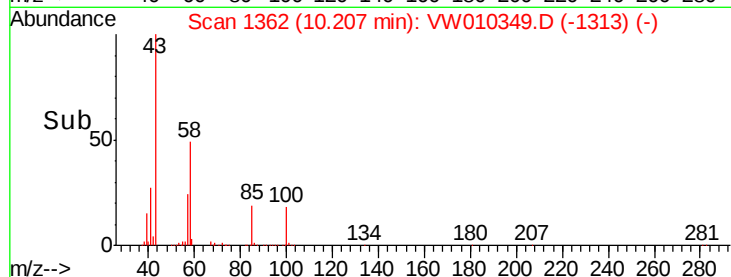
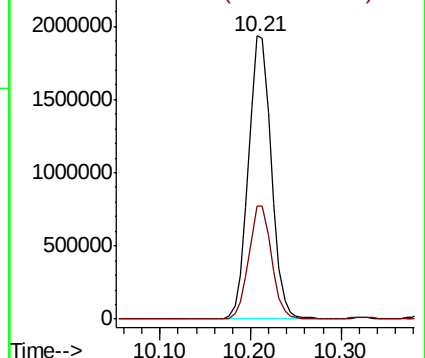
43 100

58 39.9 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 53.663 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010349.D

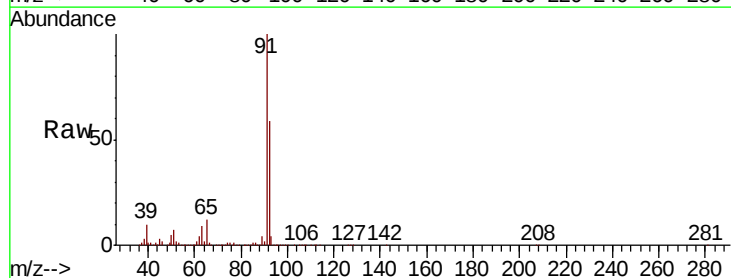
Acq: 09 May 2019 20:58

Tgt Ion: 92 Resp: 2223231

Ion Ratio Lower Upper

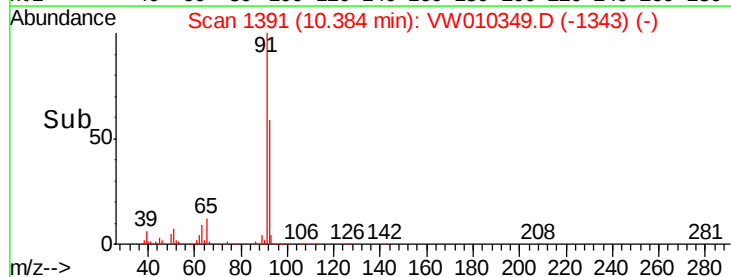
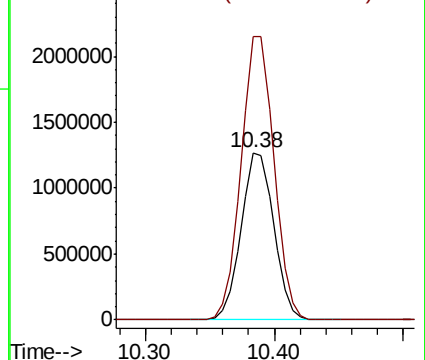
92 100

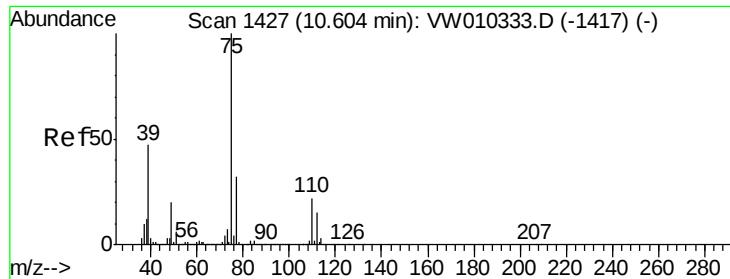
91 170.8 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 56.934 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

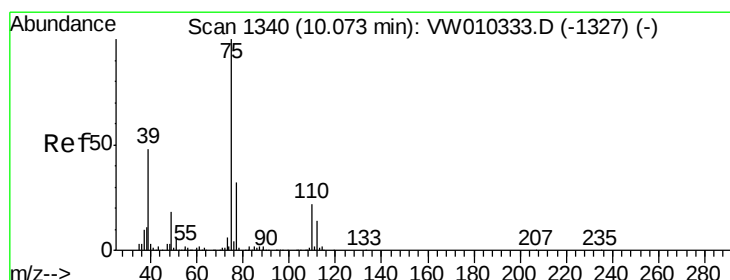
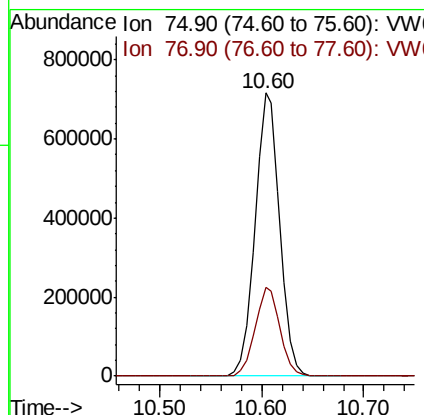
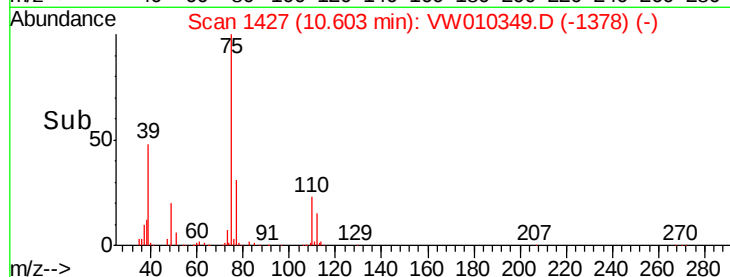
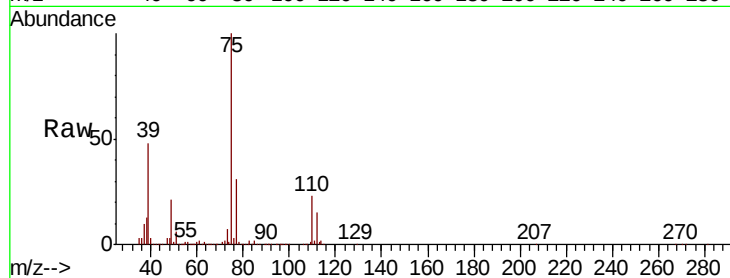
ClientSampleId :

Tot Ion: 75 Resp: 1204085

Ion Ratio Lower Upper

75 100

77 31.4 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 56.402 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

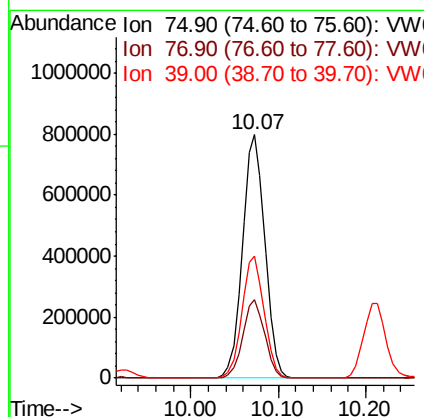
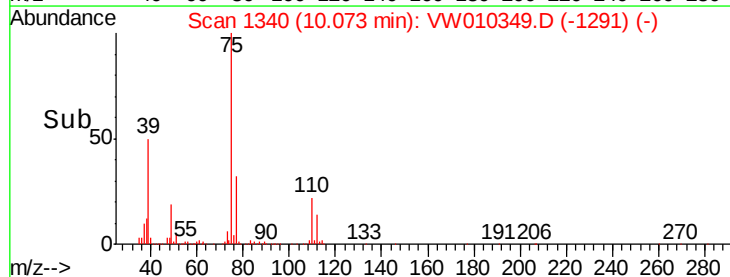
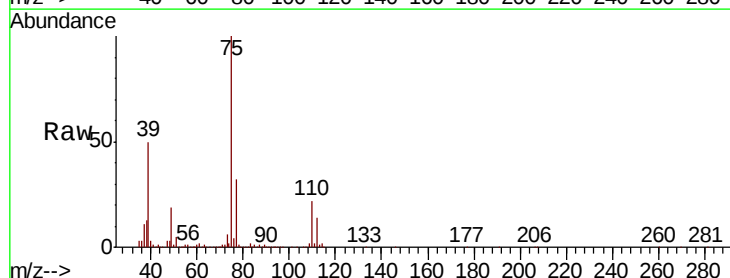
Tgt Ion: 75 Resp: 1412684

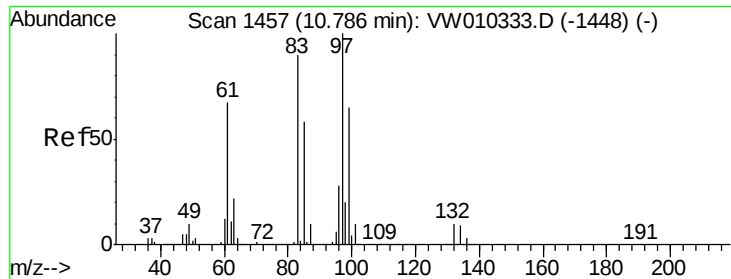
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 50.2 47.8 71.6

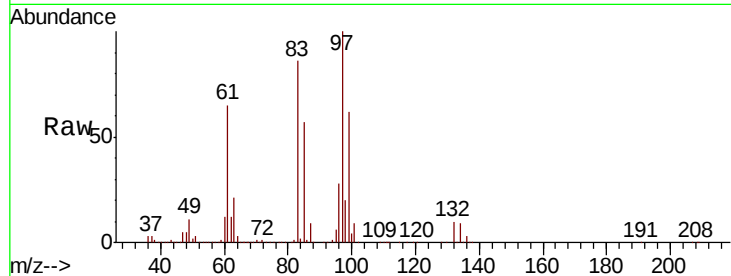




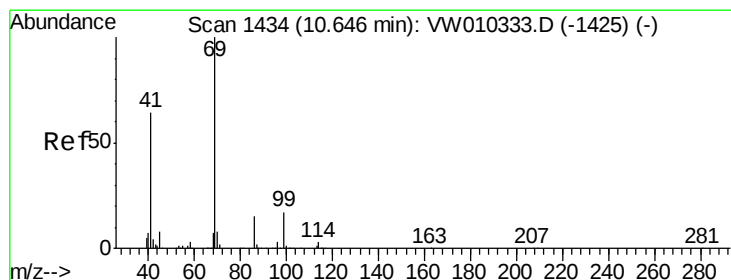
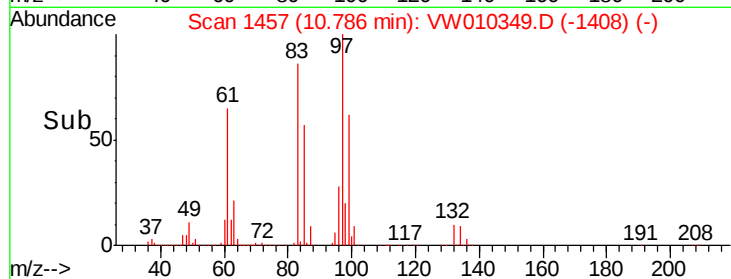
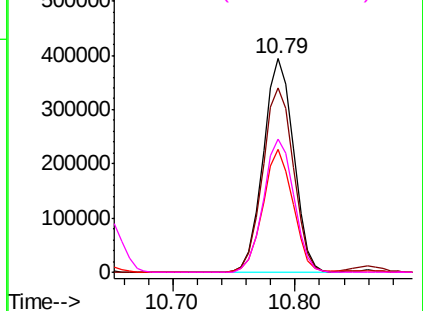
#55
 1,1,2-Trichloroethane
 Concen: 55.272 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	683309
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.9	103.3
85	57.4	42.9	64.3
99	62.0	48.6	72.8

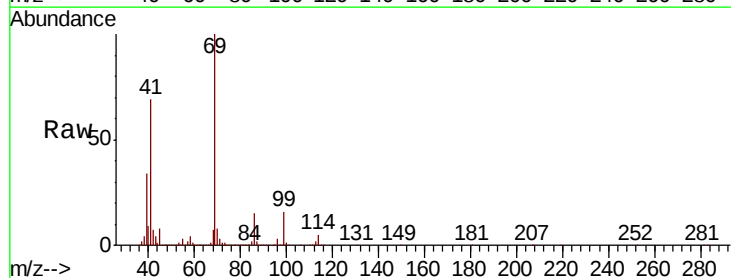


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

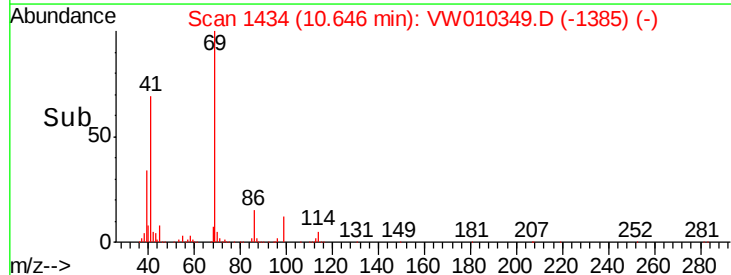
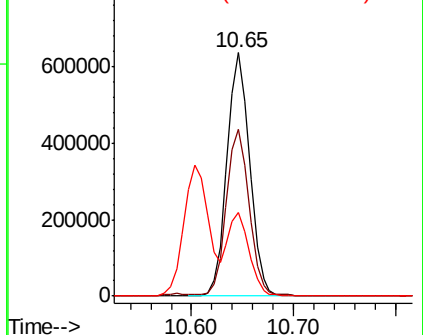


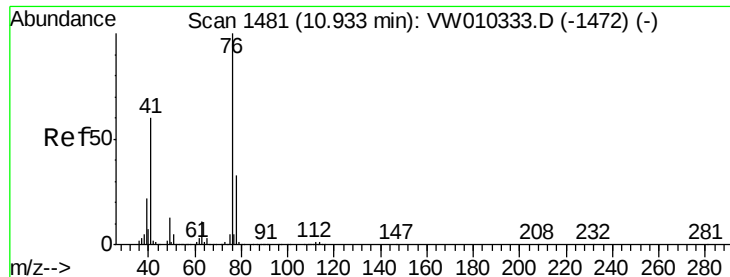
#56
 Ethyl methacrylate
 Concen: 60.236 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion:	69	Resp:	983371
Ion	Ratio	Lower	Upper
69	100		
41	68.7	61.0	91.6
39	32.7	33.8	50.6#



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 56.245 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

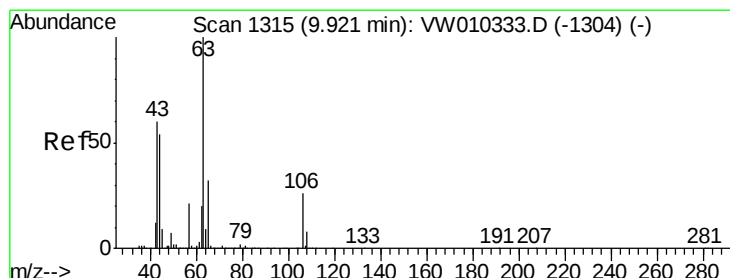
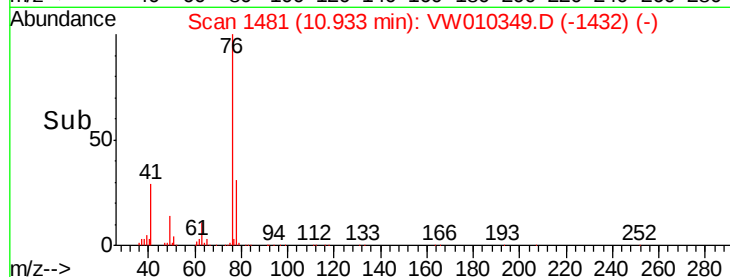
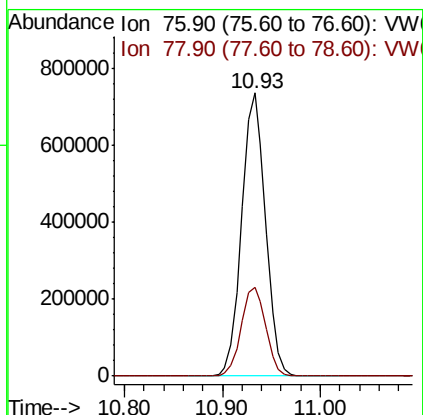
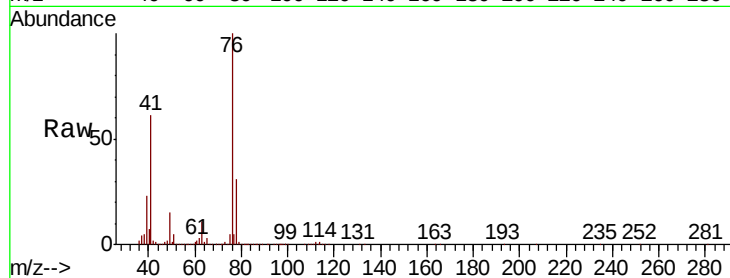
ClientSampleId :

Tot Ion: 76 Resp: 1243053

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 286.460 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010349.D

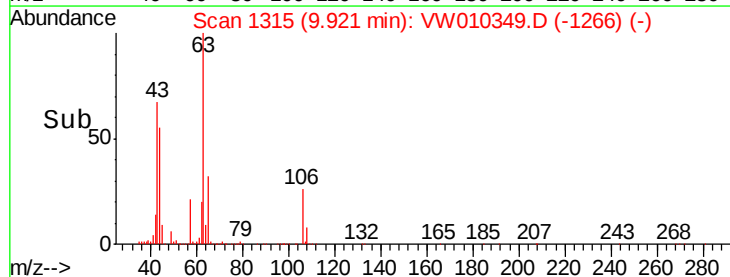
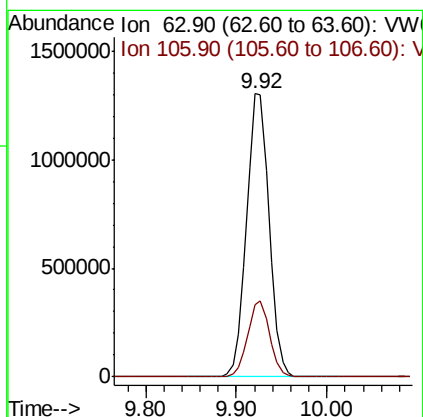
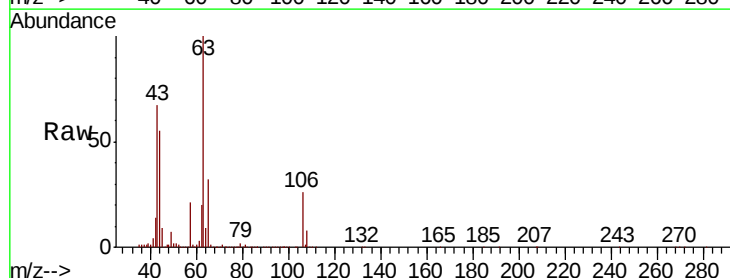
Acq: 09 May 2019 20:58

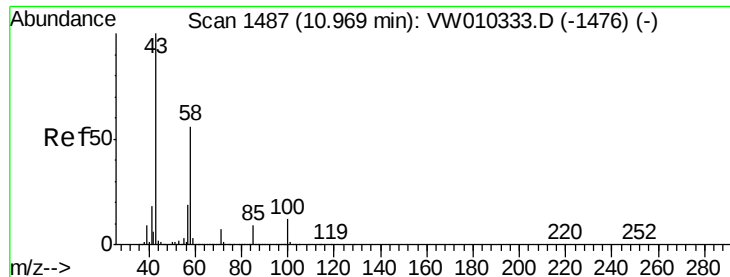
Tgt Ion: 63 Resp: 2239072

Ion Ratio Lower Upper

63 100

106 26.1 21.4 32.0





#59

2-Hexanone

Concen: 267.256 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

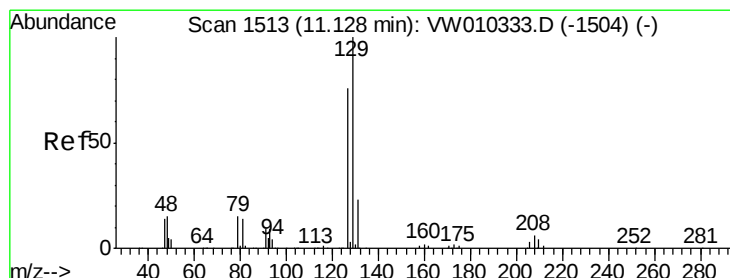
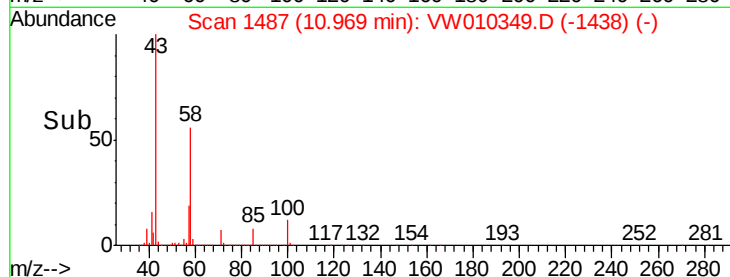
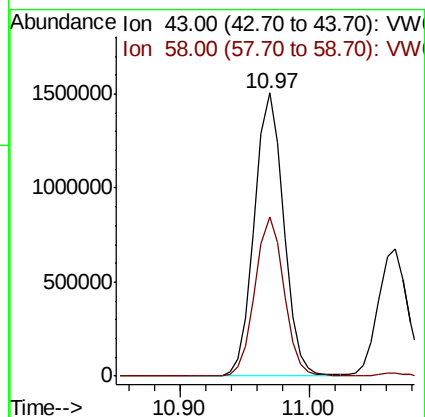
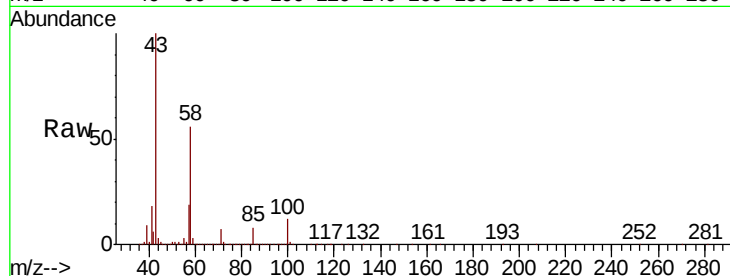
ClientSampled :

Tot Ion: 43 Resp: 2367996

Ion Ratio Lower Upper

43 100

58 55.5 24.9 74.7



#60

Dibromochloromethane

Concen: 56.637 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010349.D

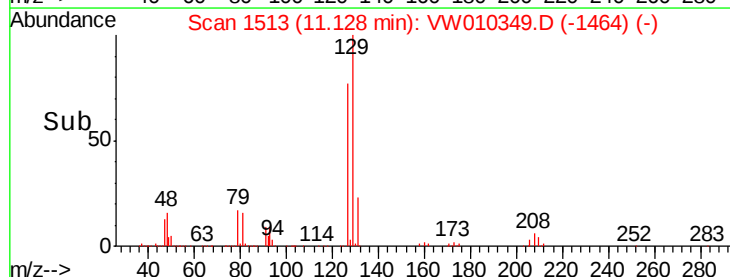
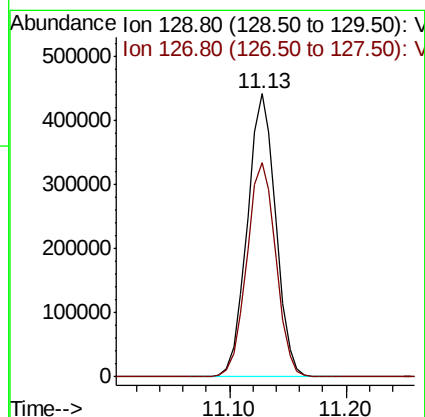
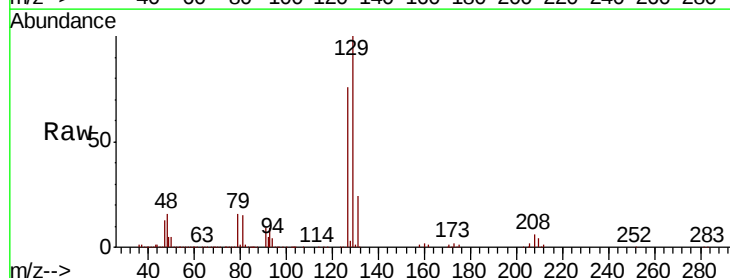
Acq: 09 May 2019 20:58

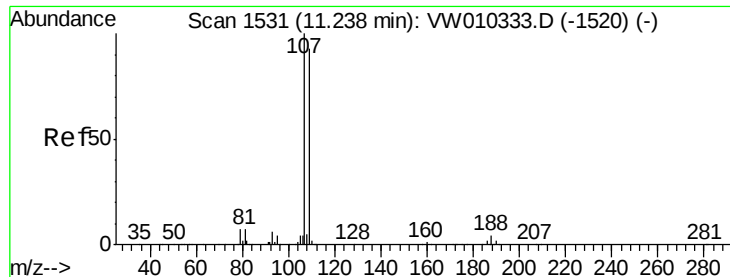
Tgt Ion: 129 Resp: 753433

Ion Ratio Lower Upper

129 100

127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 55.140 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

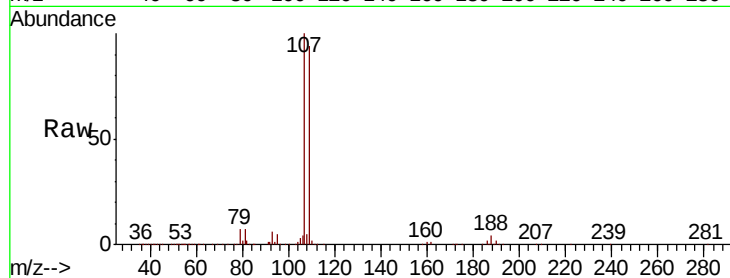
ClientSampleId :

Tot Ion:107 Resp: 654387

Ion Ratio Lower Upper

107 100

109 93.0 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

400000

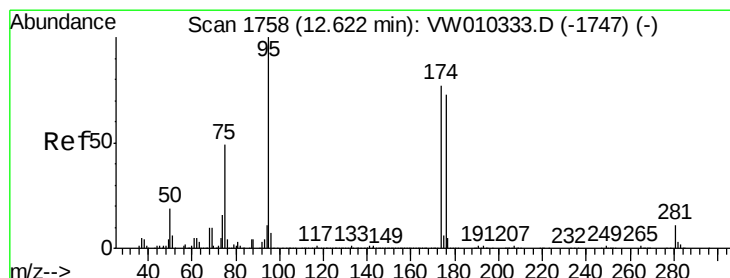
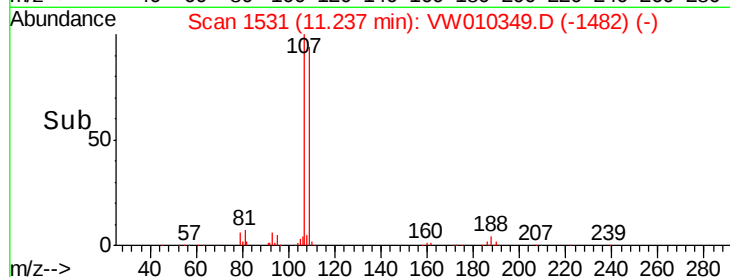
300000

200000

100000

0

Time--> 11.20 11.30



#62

4-Bromofluorobenzene

Concen: 51.649 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

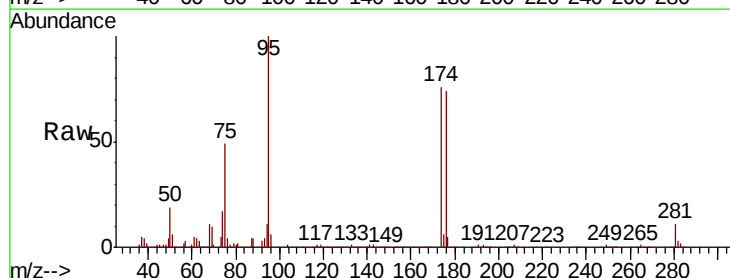
Tgt Ion: 95 Resp: 988910

Ion Ratio Lower Upper

95 100

174 75.4 0.0 151.4

176 73.5 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

12.62

800000

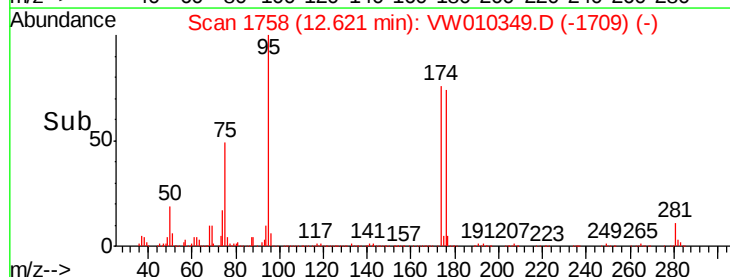
600000

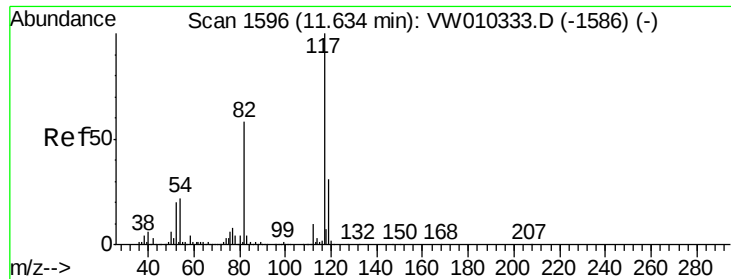
400000

200000

0

Time--> 12.55 12.60 12.65 12.70

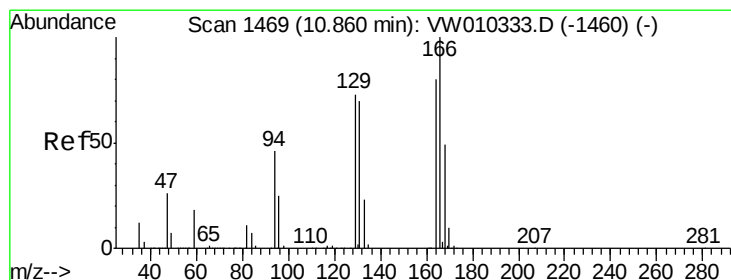
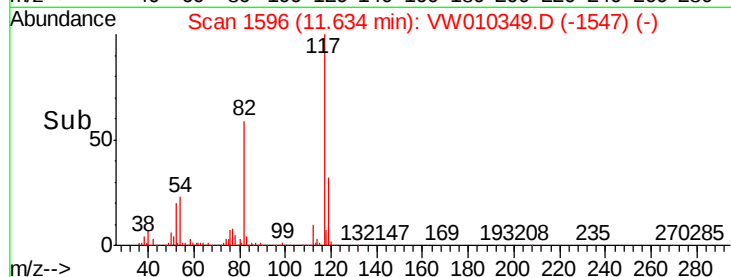
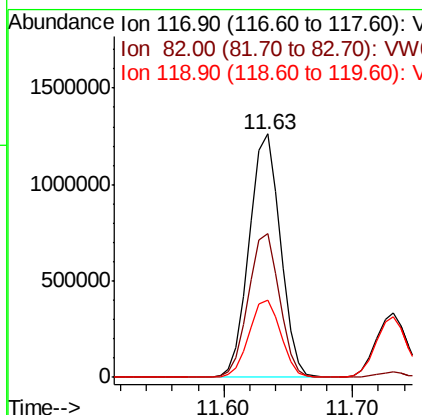
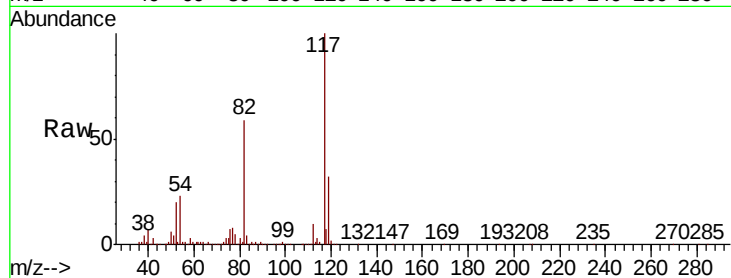




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

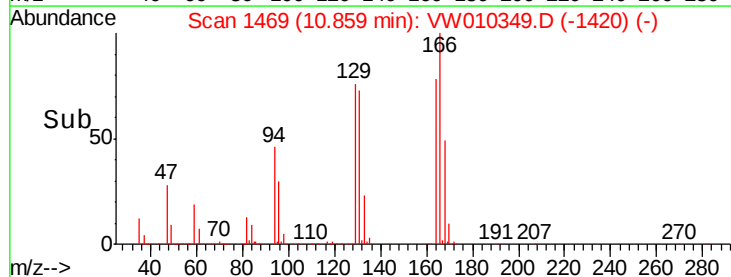
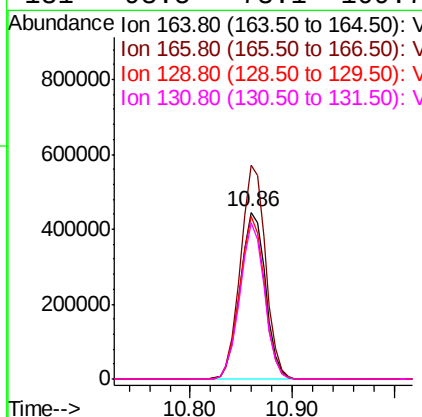
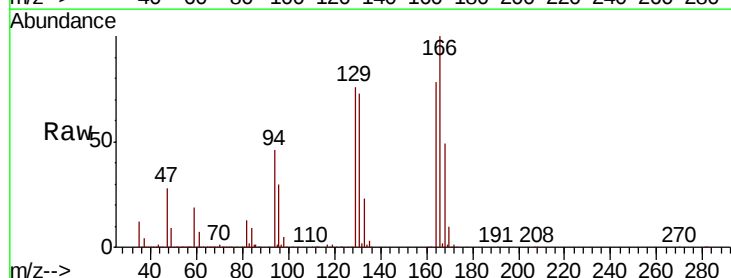
Instrument :
MSVOA_W
ClientSampleId :

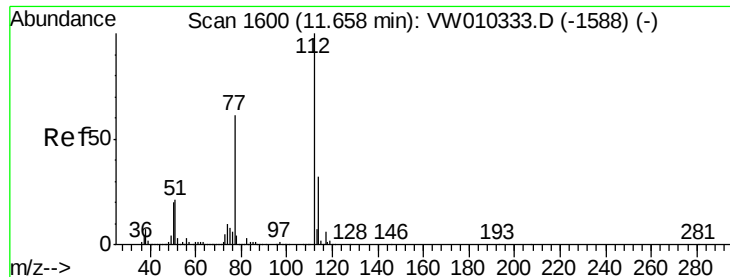
Tot Ion:117 Resp: 2104939
Ion Ratio Lower Upper
117 100
82 59.0 45.2 67.8
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 52.089 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion:164 Resp: 766337
Ion Ratio Lower Upper
164 100
166 128.1 101.2 151.8
129 97.6 77.8 116.6
131 93.5 73.1 109.7

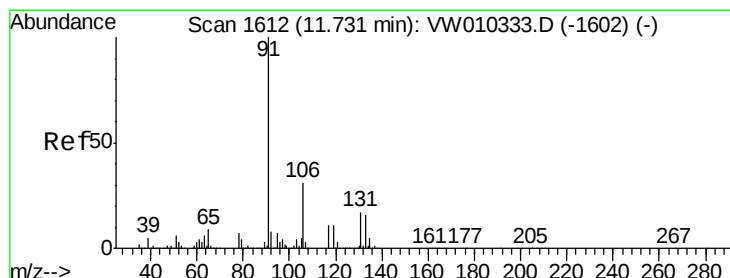
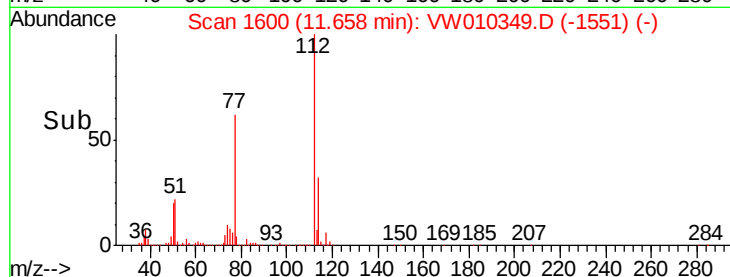
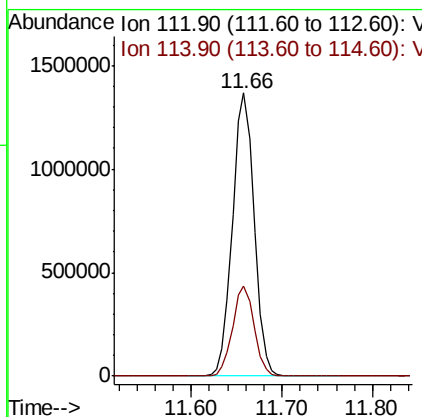
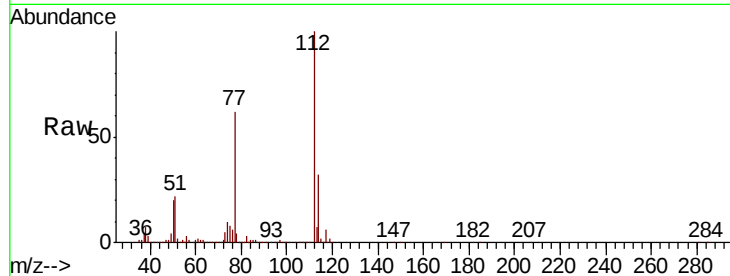




#65
Chlorobenzene
Concen: 52.023 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

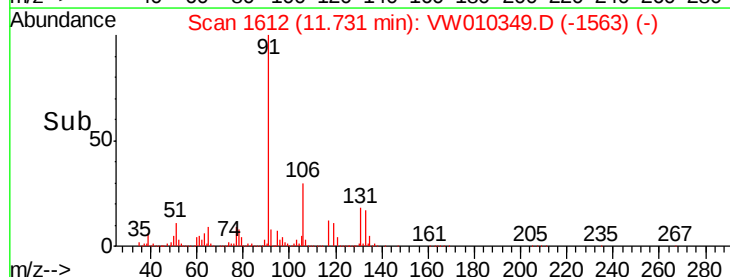
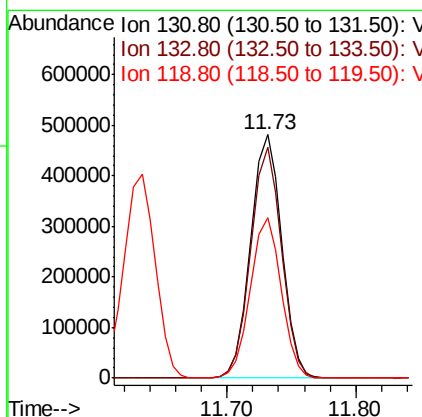
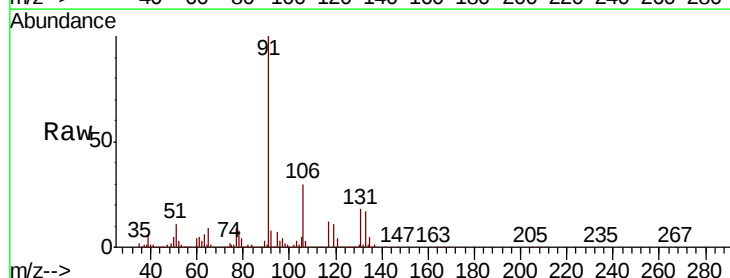
Instrument :
MSVOA_W
ClientSampleId :

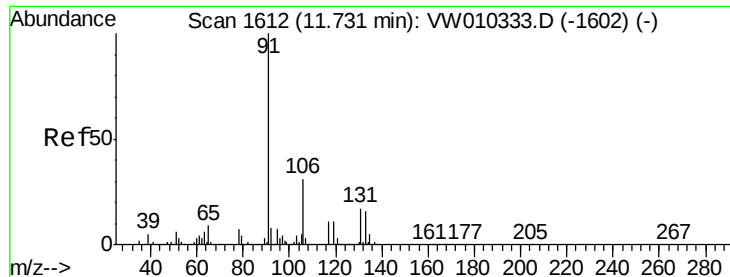
Tot Ion:112 Resp: 2266786
Ion Ratio Lower Upper
112 100
114 31.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.234 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion:131 Resp: 798709
Ion Ratio Lower Upper
131 100
133 94.3 46.5 139.5
119 65.6 31.9 95.5

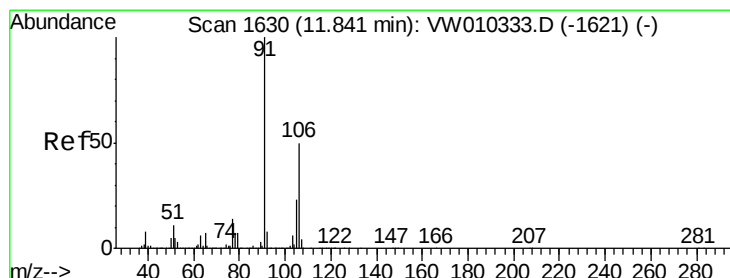
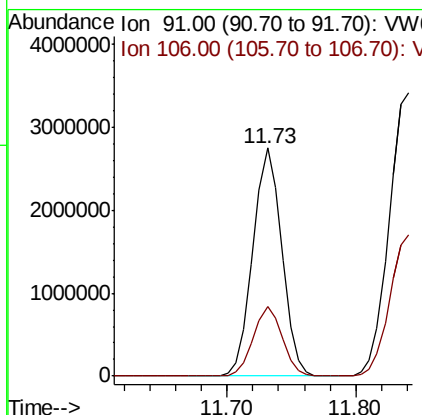
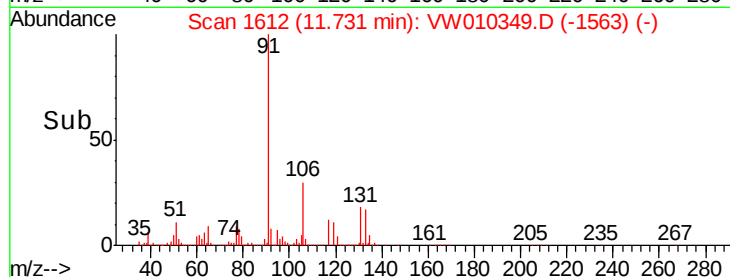
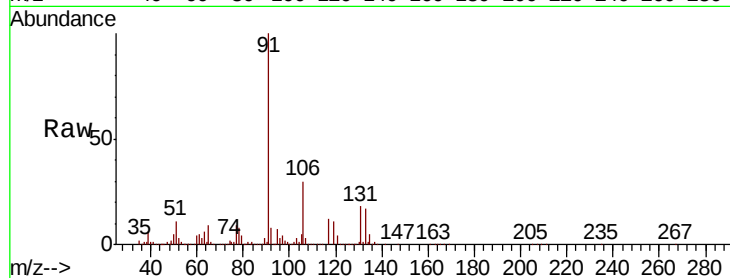




#67
Ethyl Benzene
Concen: 53.055 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

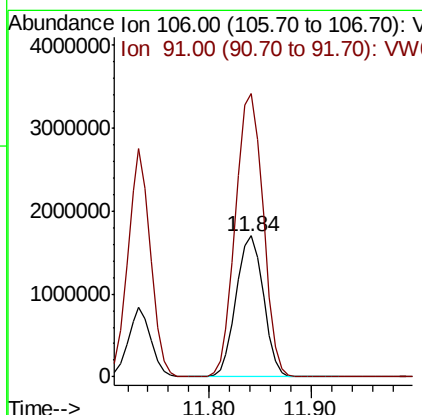
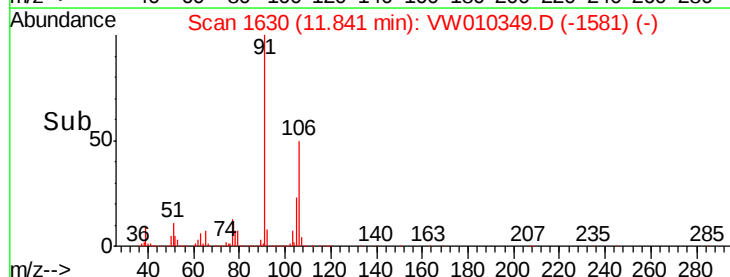
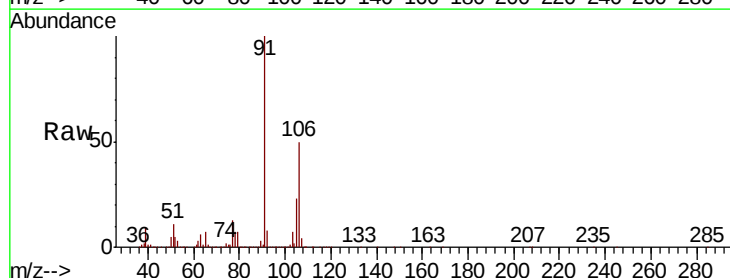
Instrument :
MSVOA_W
ClientSampleId :

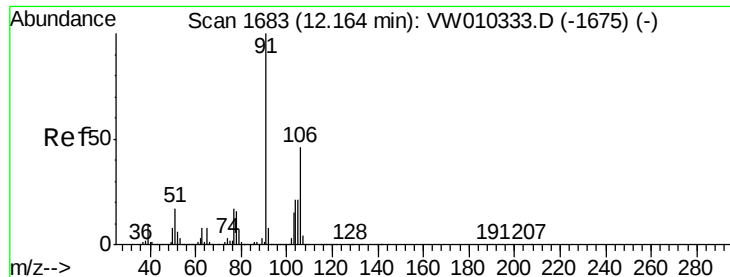
Tot Ion: 91 Resp: 4252848
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8



#68
m/p-Xylenes
Concen: 106.051 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 106 Resp: 3158456
Ion Ratio Lower Upper
106 100
91 203.5 165.0 247.6

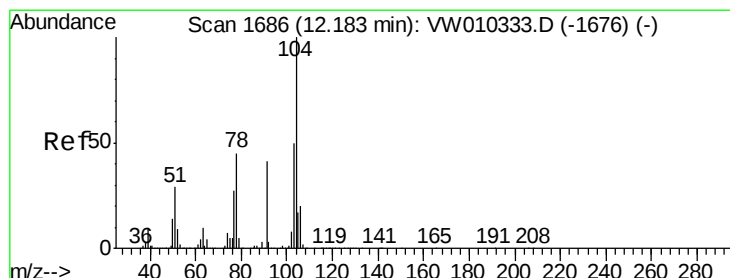
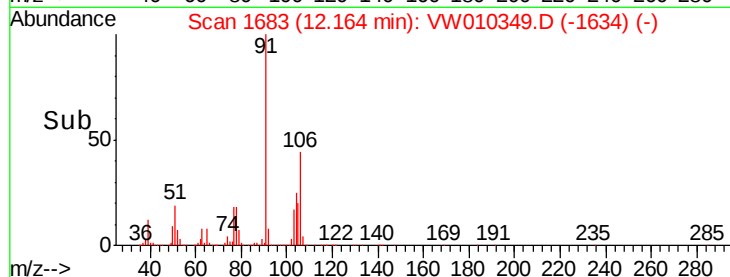
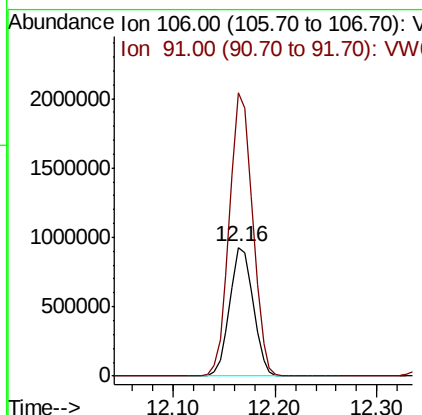
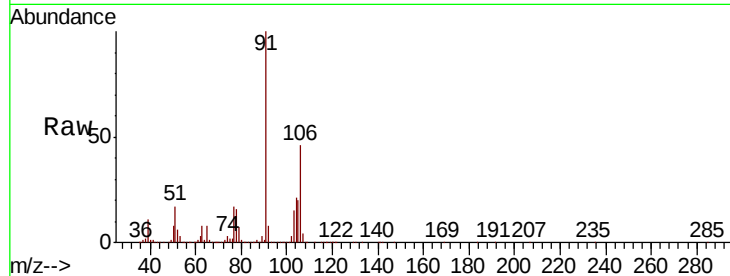




#69
o-Xylene
Concen: 54.748 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

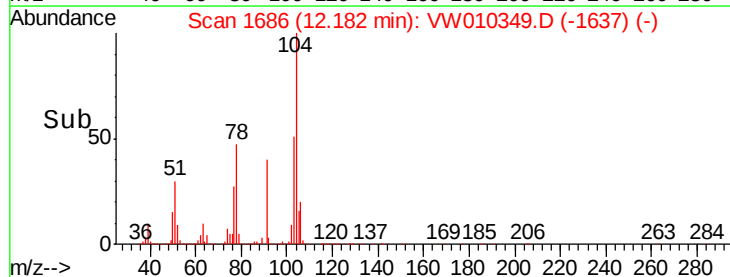
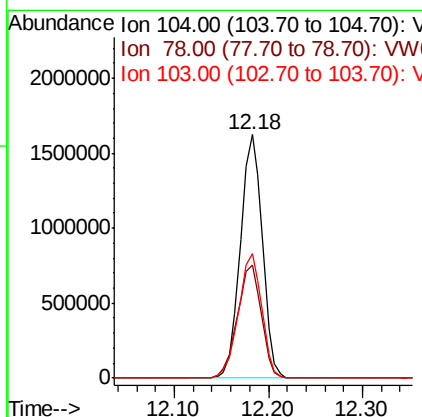
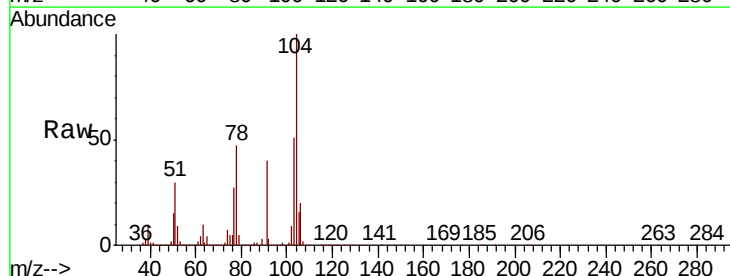
Instrument :
MSVOA_W
ClientSampled :

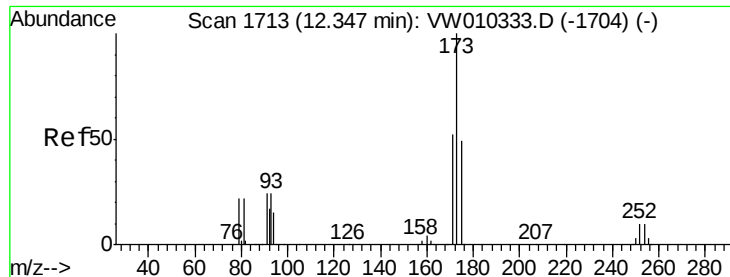
Tot Ion:106 Resp: 1474979
Ion Ratio Lower Upper
106 100
91 217.5 110.5 331.4



#70
Styrene
Concen: 56.183 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion:104 Resp: 2637409
Ion Ratio Lower Upper
104 100
78 50.9 42.5 63.7
103 54.0 43.6 65.4





#71

Bromoform

Concen: 52.611 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

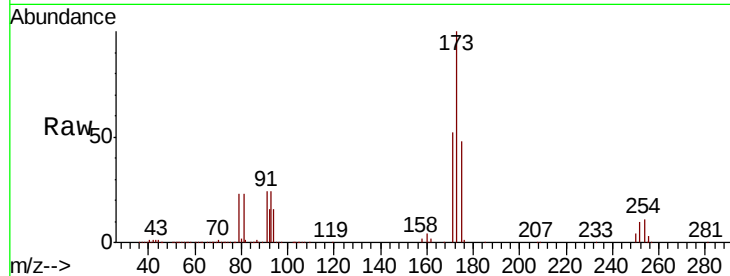
Tot Ion:173 Resp: 442923

Ion Ratio Lower Upper

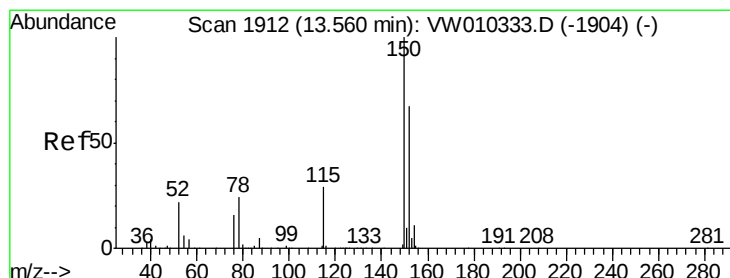
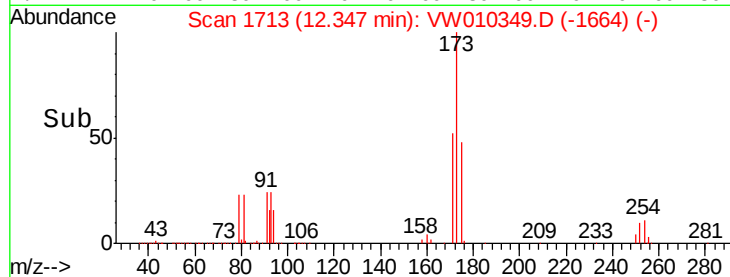
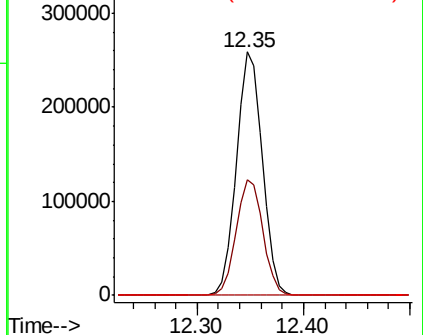
173 100

175 48.7 23.8 71.4

254 0.1 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: VW010349.D

Acq: 09 May 2019 20:58

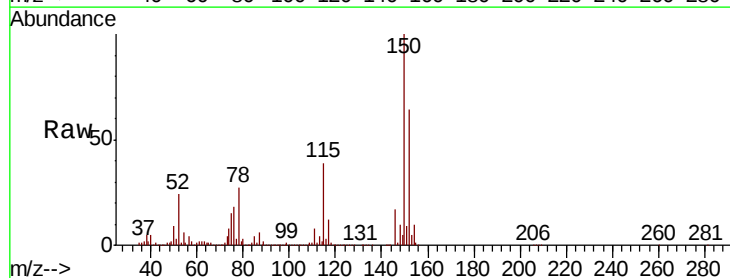
Tgt Ion:152 Resp: 1039275

Ion Ratio Lower Upper

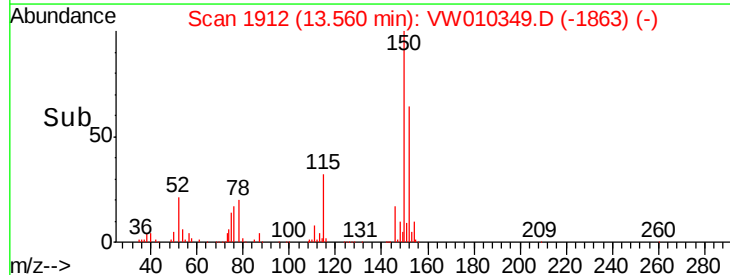
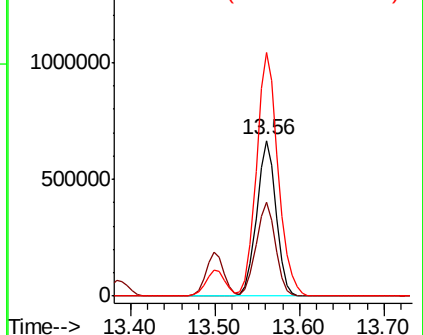
152 100

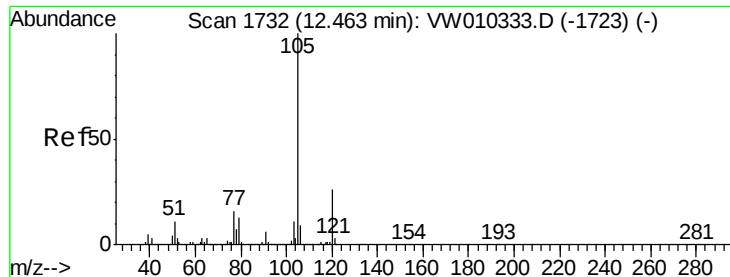
115 60.1 30.4 91.2

150 174.8 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: 52.738 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

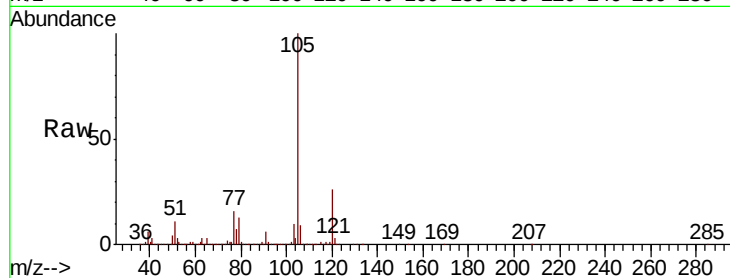
ClientSampled :

Tot Ion:105 Resp: 3995048

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

3000000 Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

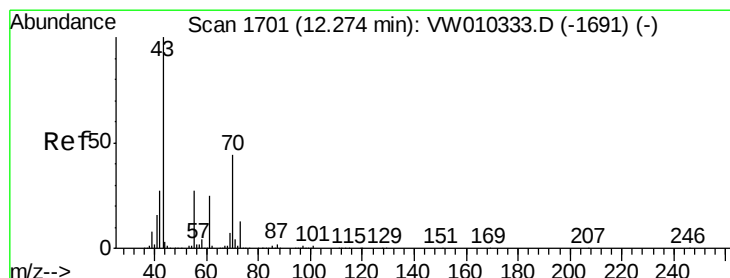
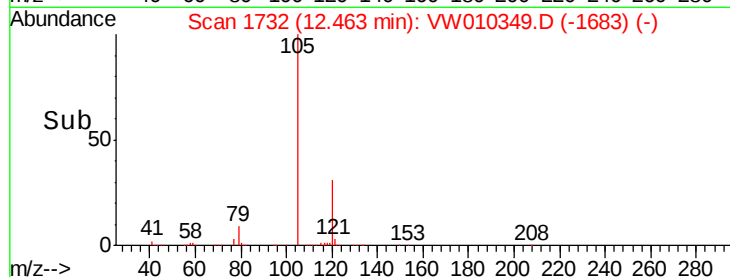
1000000

500000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 58.005 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion: 43 Resp: 1135197

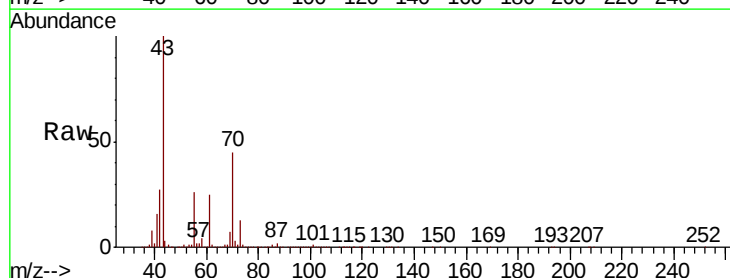
Ion Ratio Lower Upper

43 100

70 43.6 31.3 46.9

55 26.4 20.0 30.0

61 24.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

1200000 Ion 70.00 (69.70 to 70.70): VW

1000000 Ion 55.00 (54.70 to 55.70): VW

800000 Ion 61.00 (60.70 to 61.70): VW

600000

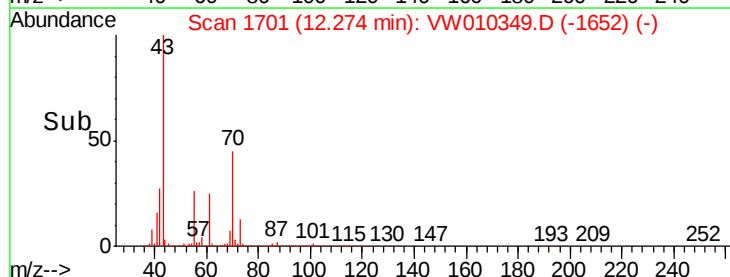
400000

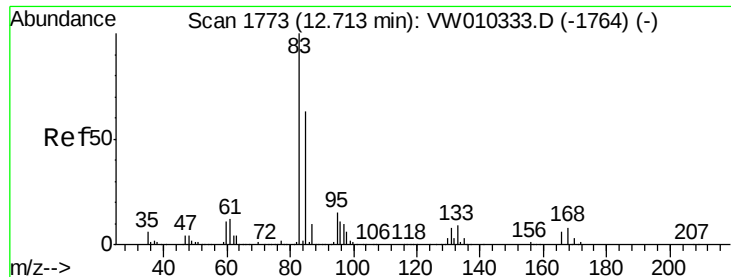
200000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.379 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

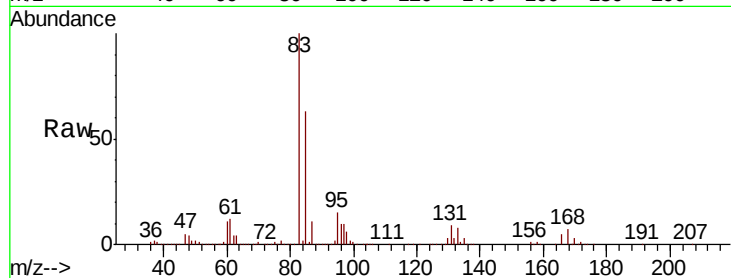
Tot Ion: 83 Resp: 857577

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.3	15.8
85	63.7	32.0	96.2

83 100

131 10.0 5.3 15.8

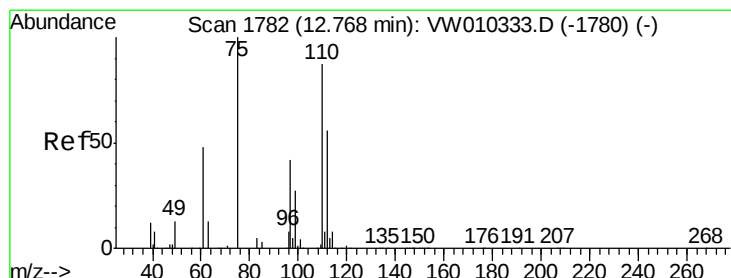
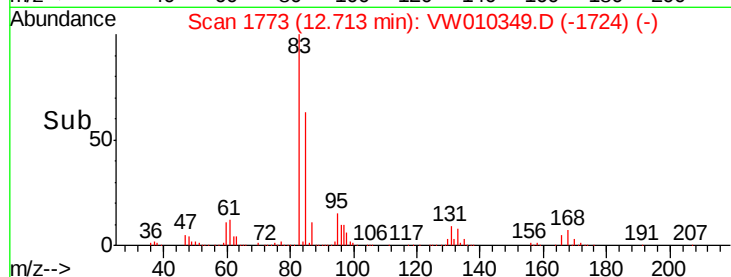
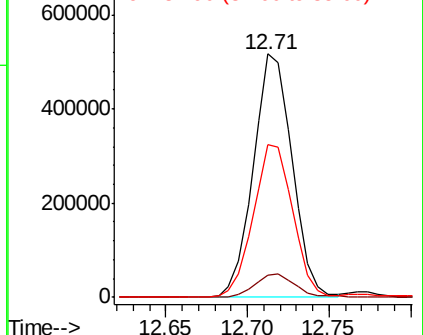
85 63.7 32.0 96.2



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: 89.906 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010349.D

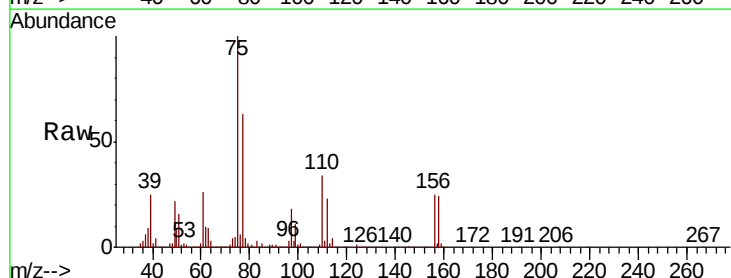
Acq: 09 May 2019 20:58

Tgt Ion: 75 Resp: 1089398

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

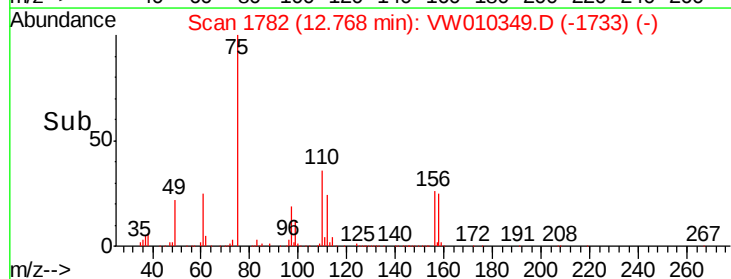
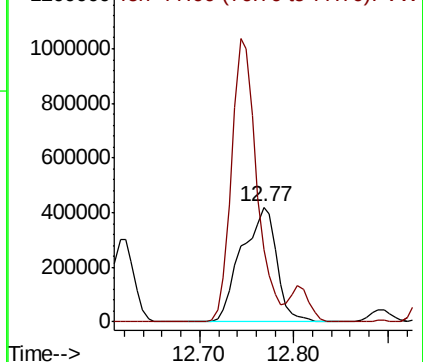
75 100

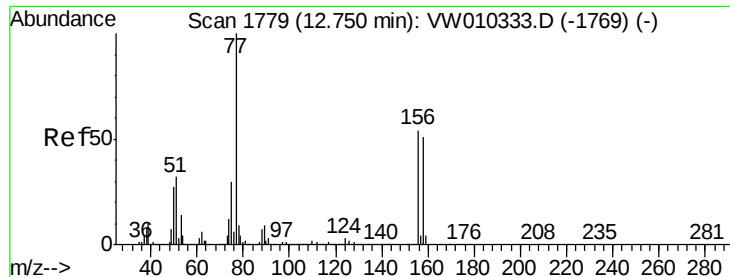
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.809 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

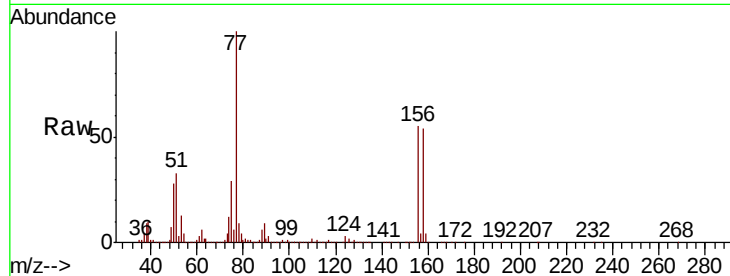
Tot Ion:156 Resp: 920383

Ion Ratio Lower Upper

156 100

77 209.7 102.5 307.4

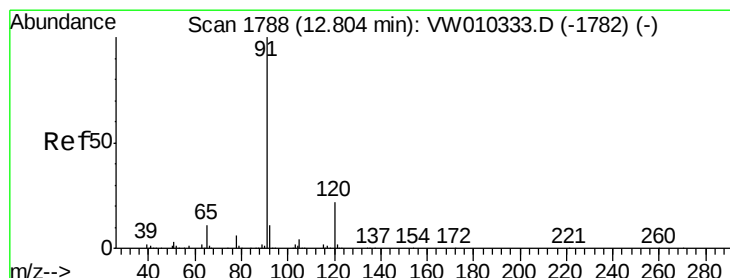
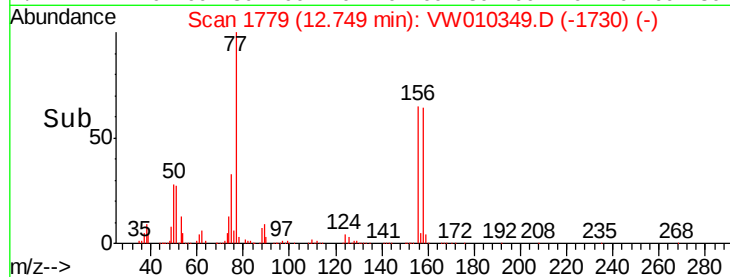
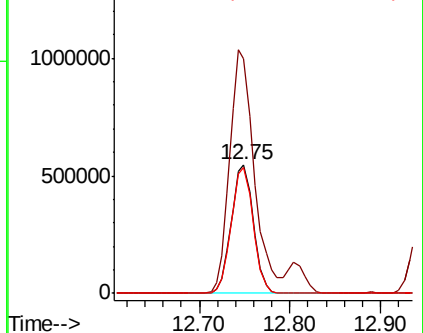
158 97.4 48.8 146.4



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: 52.202 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010349.D

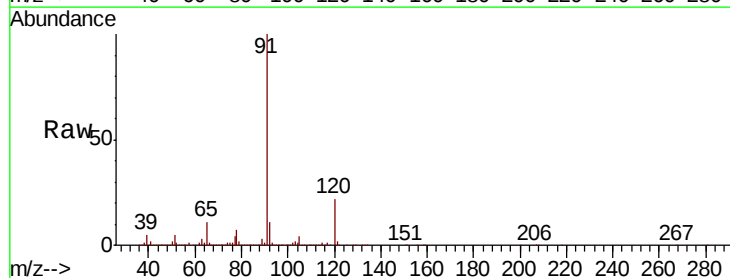
Acq: 09 May 2019 20:58

Tgt Ion: 91 Resp: 4884059

Ion Ratio Lower Upper

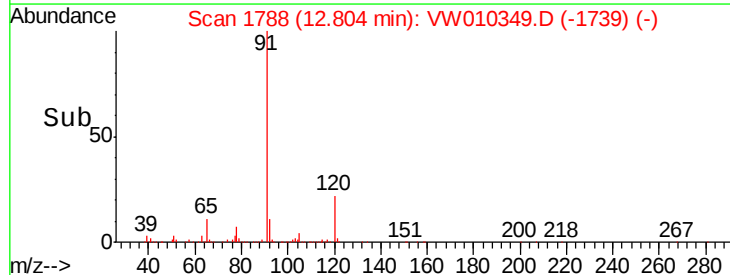
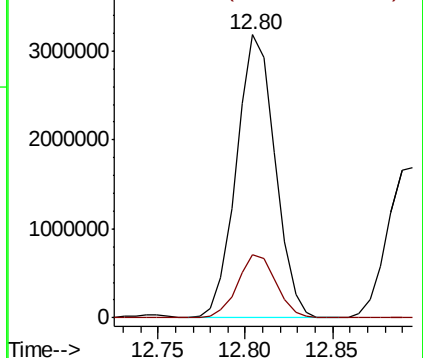
91 100

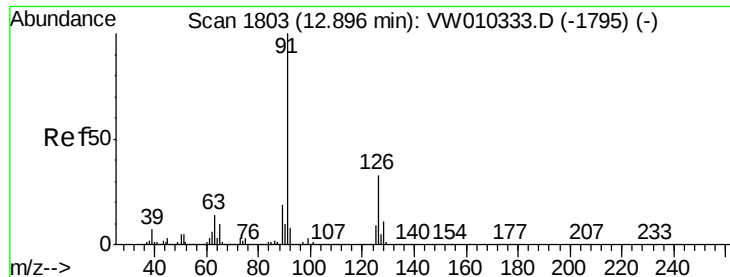
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.625 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

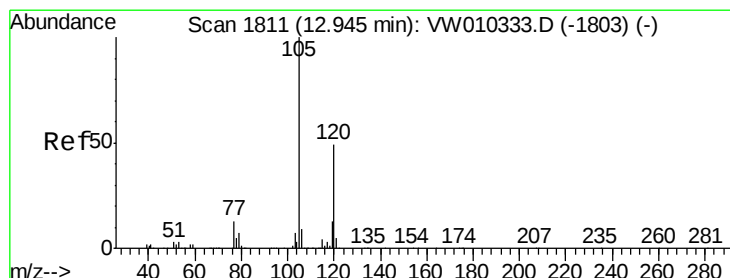
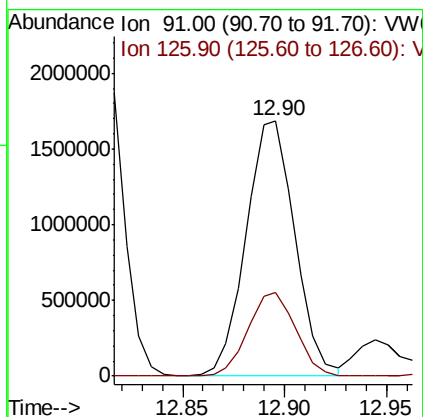
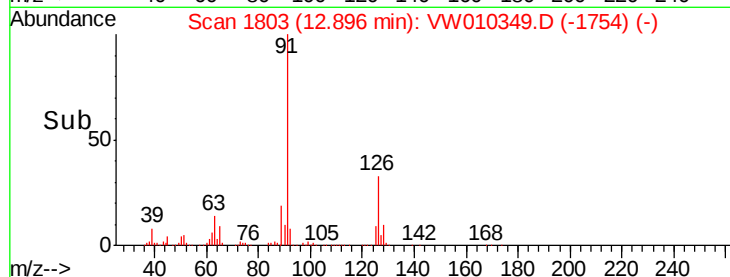
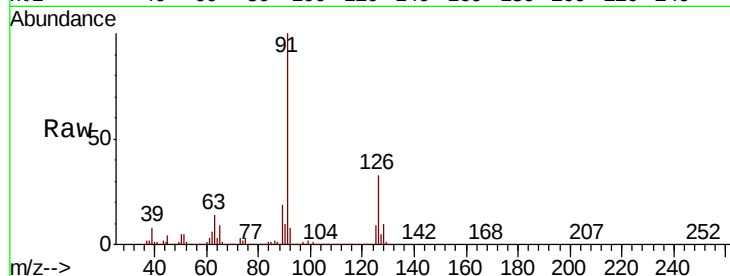
ClientSampleId :

Tot Ion: 91 Resp: 2803923

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 53.201 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010349.D

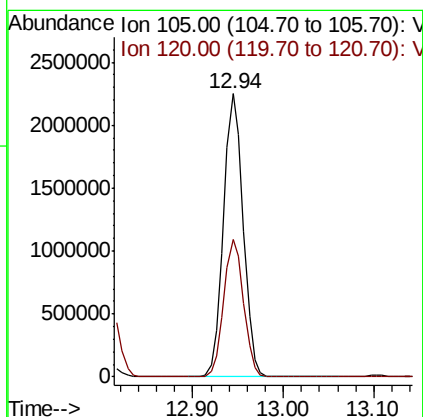
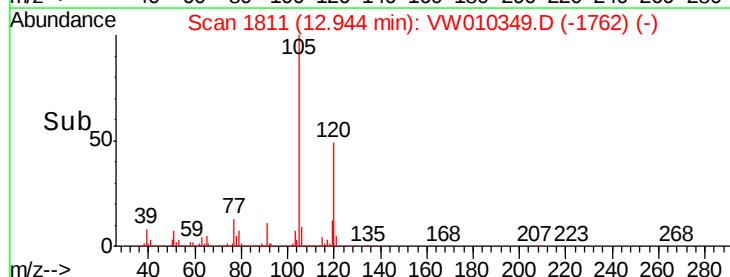
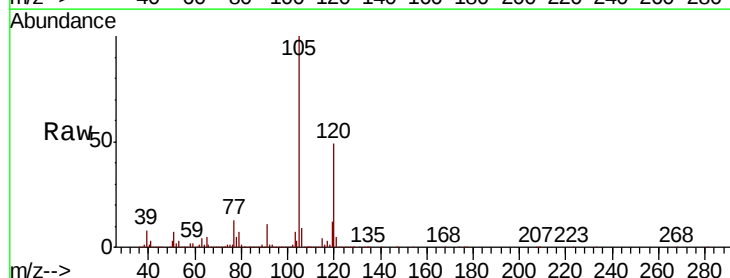
Acq: 09 May 2019 20:58

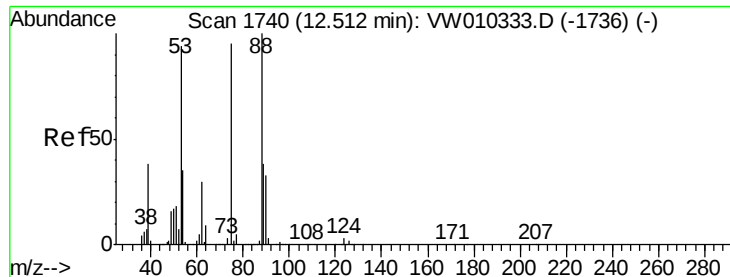
Tgt Ion:105 Resp: 3397587

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.685 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

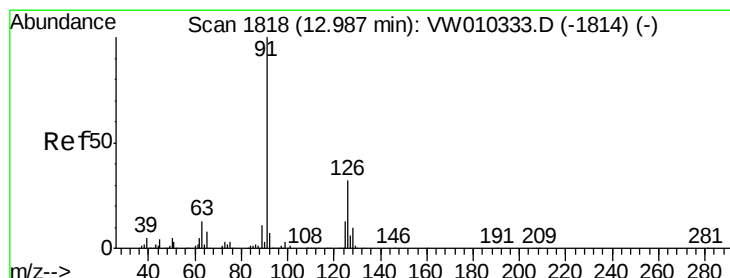
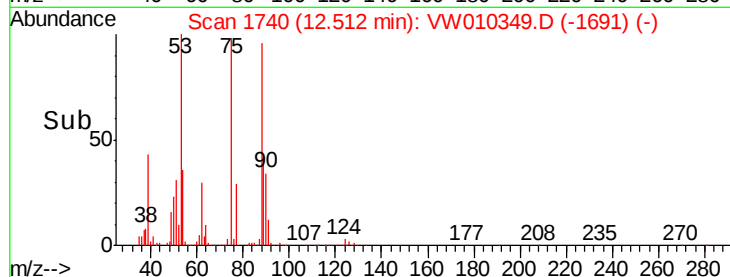
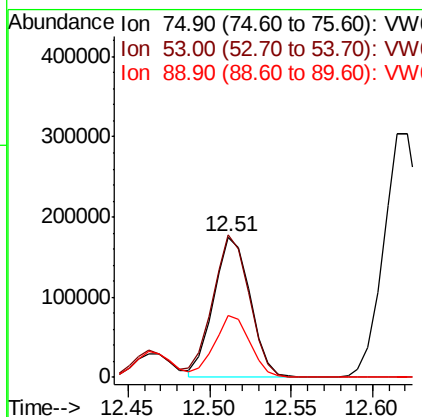
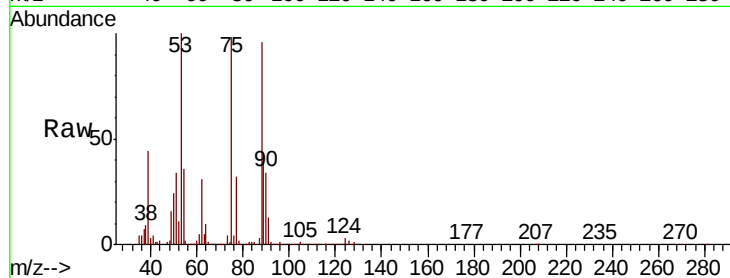
Tot Ion: 75 Resp: 271954

Ion Ratio Lower Upper

75 100

53 103.0 89.8 134.8

89 43.2 36.6 54.8



#82

4-Chlorotoluene

Concen: 52.700 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010349.D

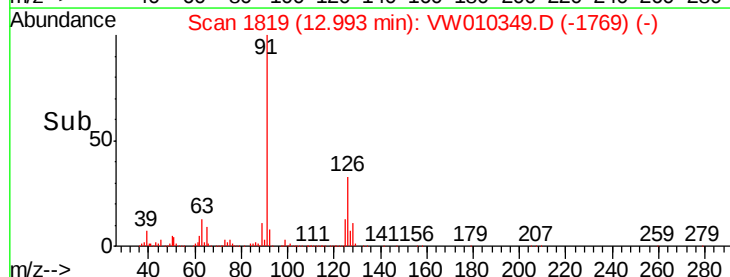
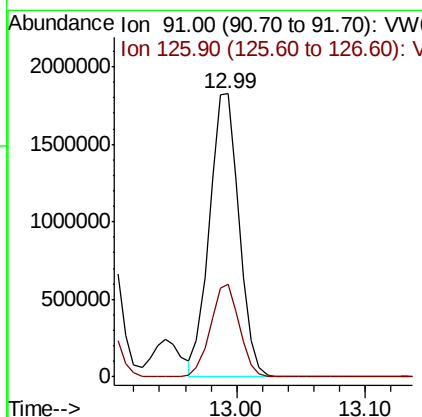
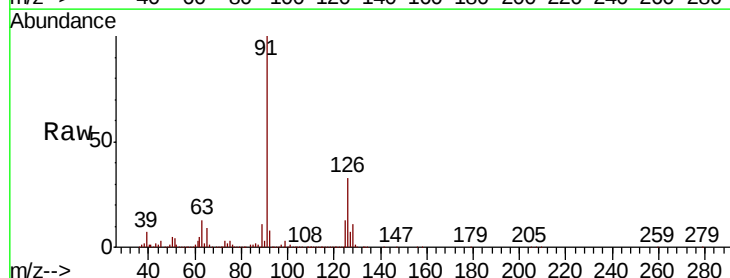
Acq: 09 May 2019 20:58

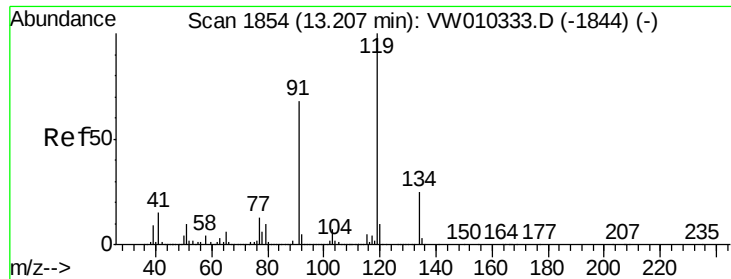
Tgt Ion: 91 Resp: 2942053

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1

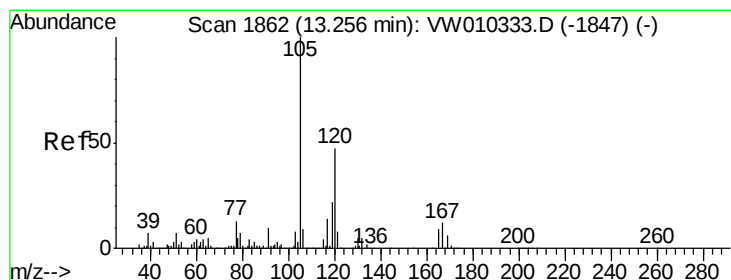
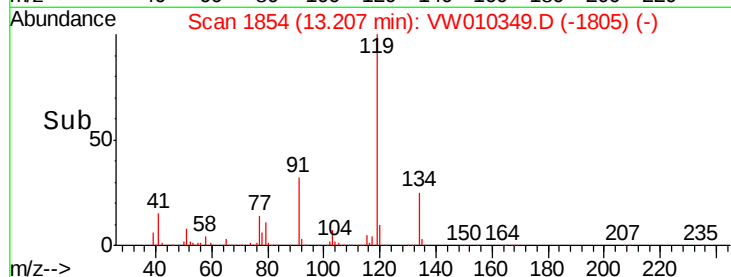
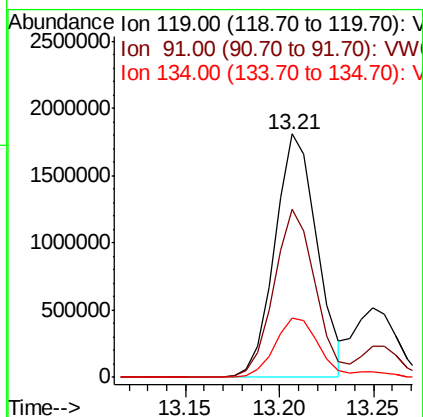
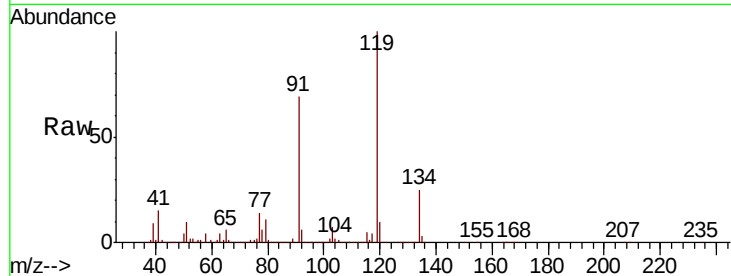




#83
tert-Butylbenzene
Concen: 52.726 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

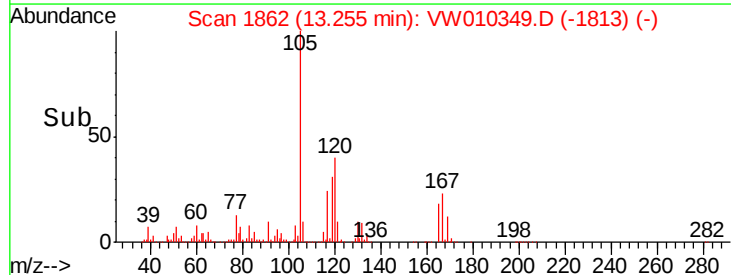
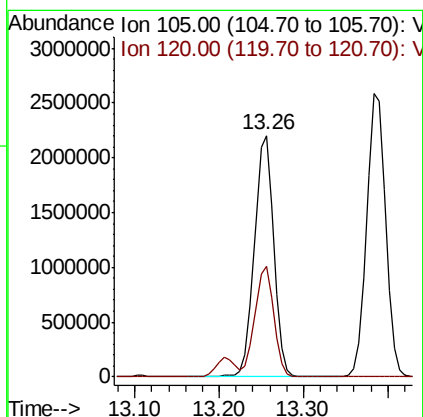
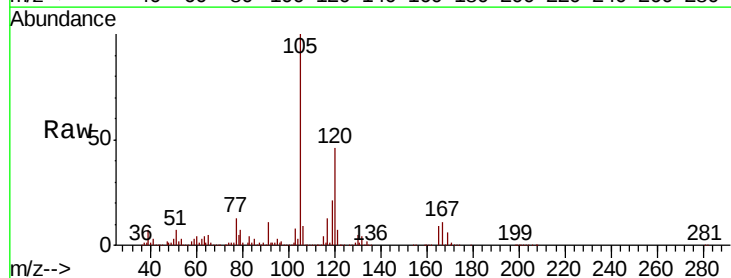
Instrument :
MSVOA_W
ClientSampled :

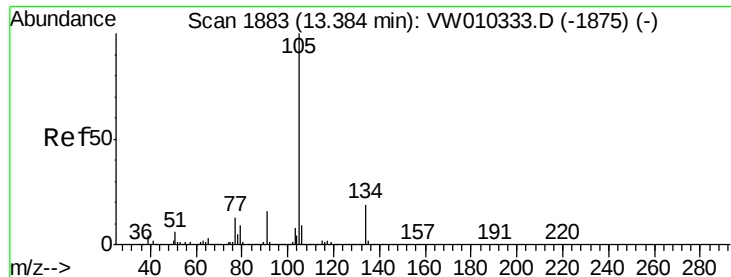
Tot Ion:119 Resp: 2808619
Ion Ratio Lower Upper
119 100
91 68.2 34.8 104.4
134 27.0 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 54.006 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion:105 Resp: 3427301
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 51.513 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

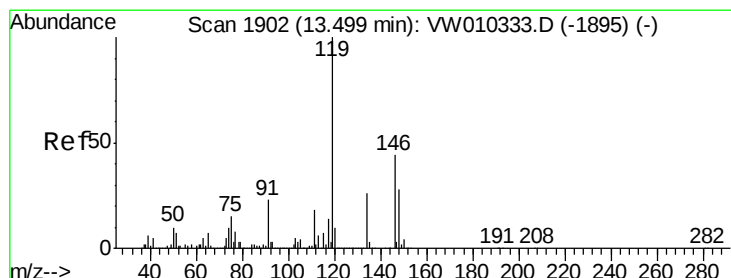
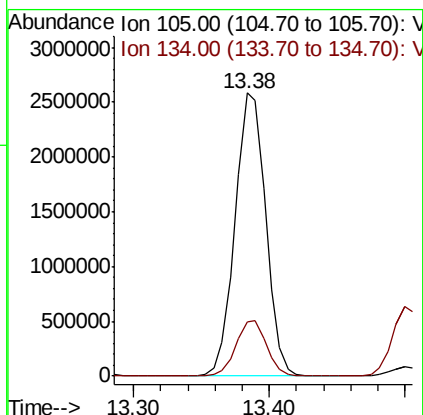
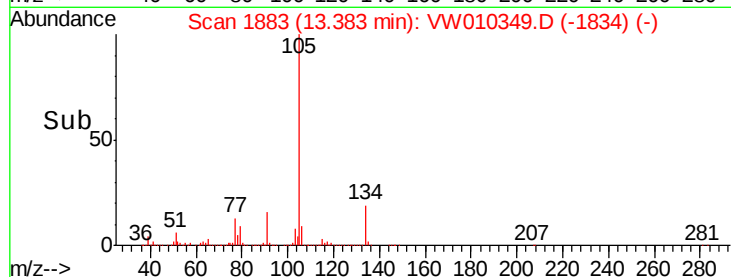
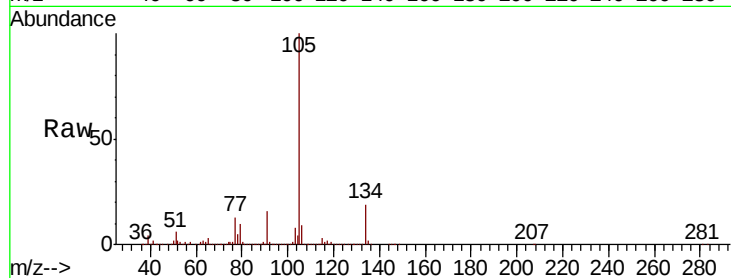
ClientSampleId :

Tot Ion:105 Resp: 4050776

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5



#86

p-Isopropyltoluene

Concen: 52.006 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

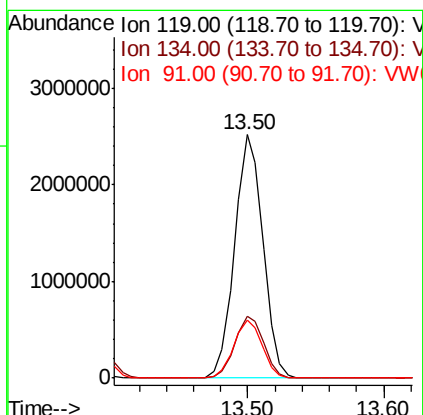
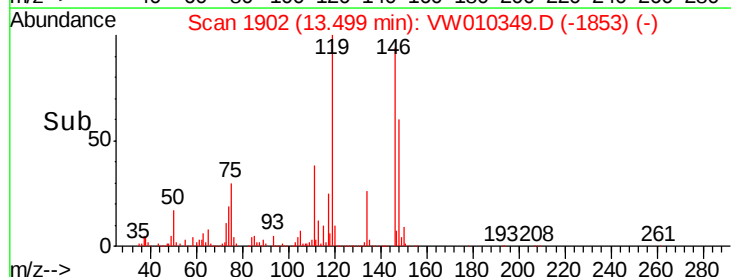
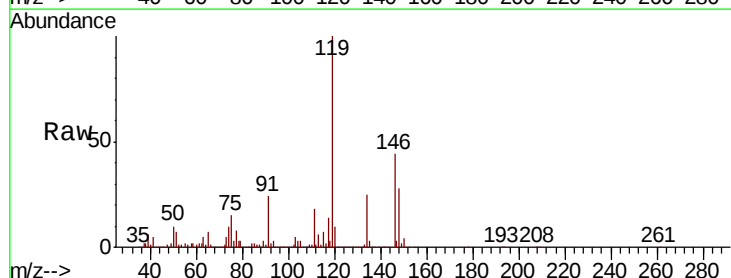
Tgt Ion:119 Resp: 3631016

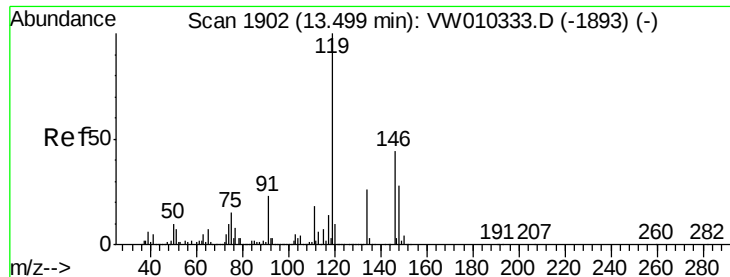
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.7 12.3 36.9

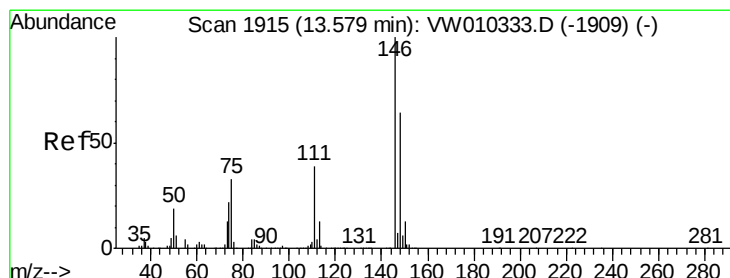
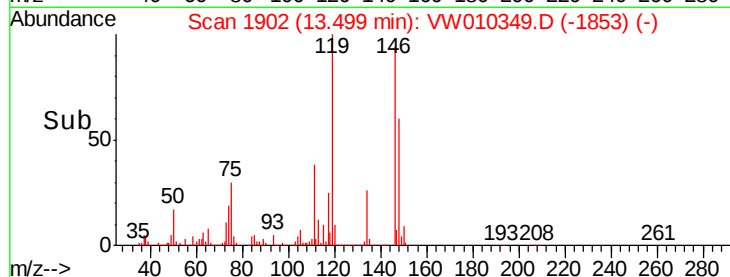
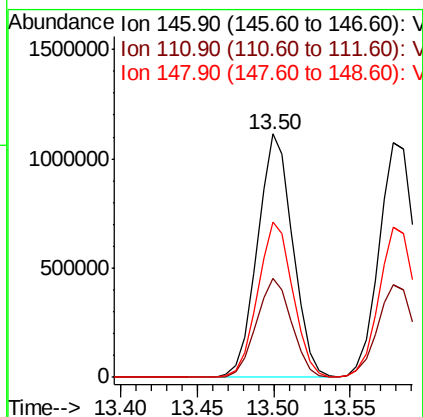
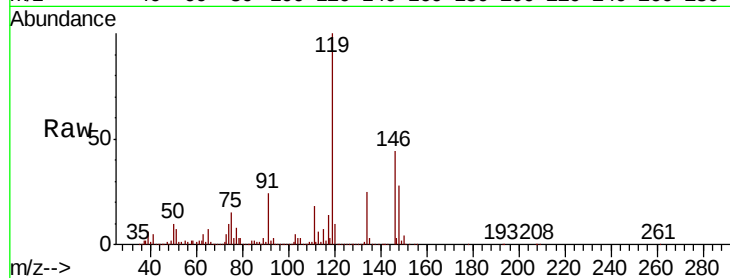




#87
 1,3-Dichlorobenzene
 Concen: 52.301 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

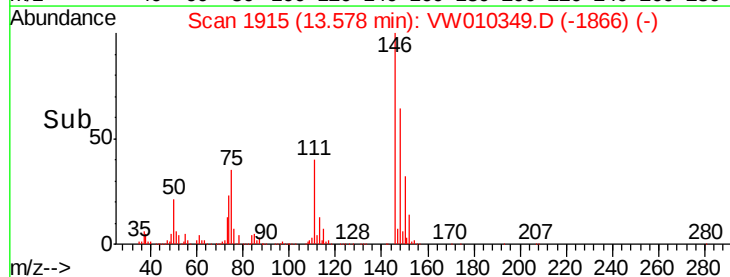
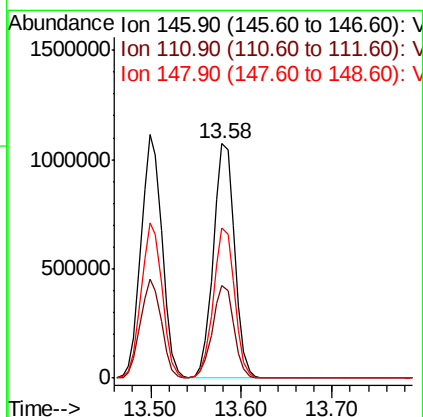
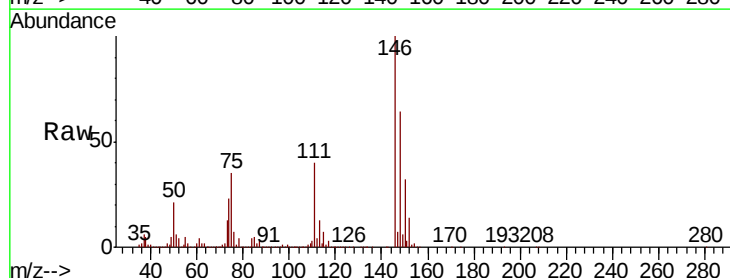
Instrument :
 MSVOA_W
 ClientSampleId :

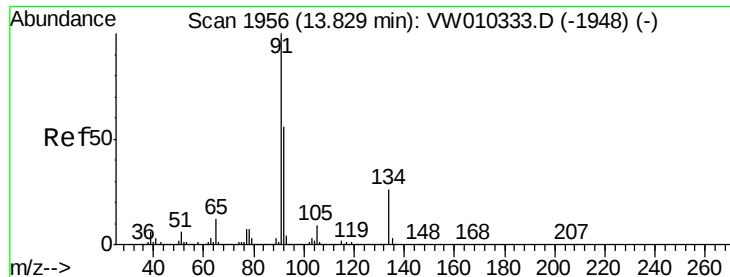
Tot Ion:146 Resp: 1786362
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 61.0
 148 63.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.694 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion:146 Resp: 1752187
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.1 60.3
 148 63.6 31.8 95.3





#89

n-Butylbenzene

Concen: 50.647 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

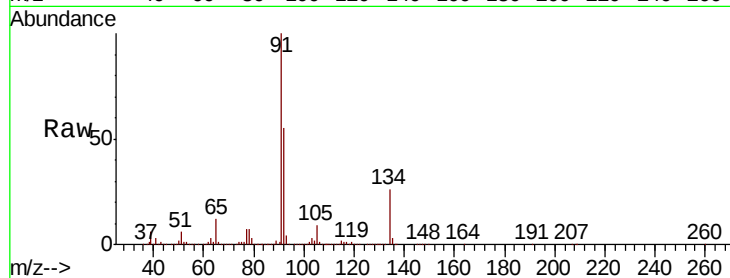
Tot Ion: 91 Resp: 3545615

Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.5	79.4
134	25.1	12.4	37.0

91 100

92 55.3 26.5 79.4

134 25.1 12.4 37.0

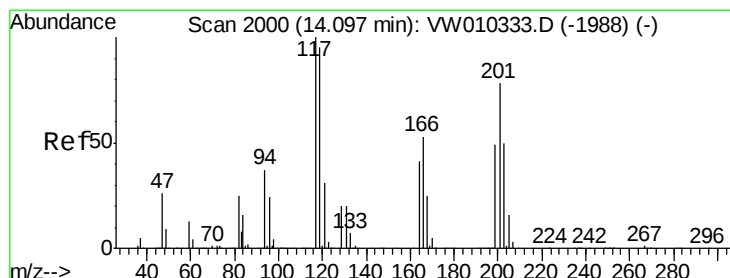
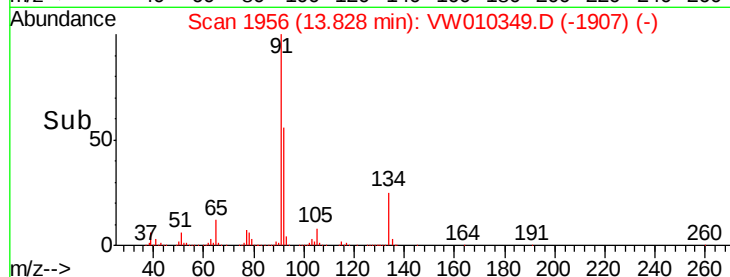
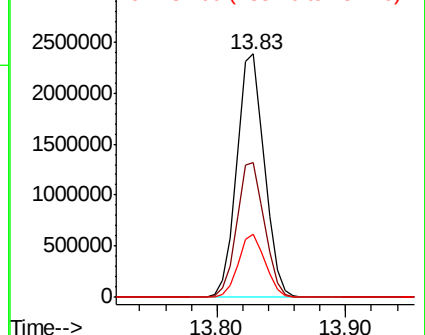


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.659 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010349.D

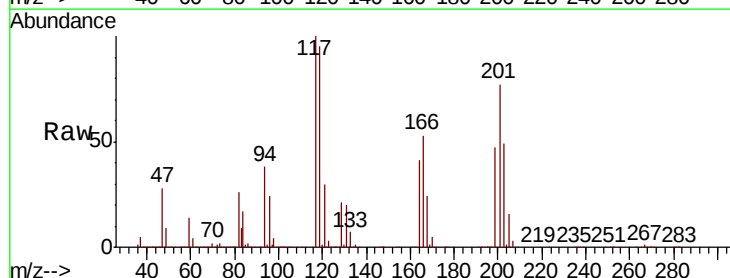
Acq: 09 May 2019 20:58

Tgt Ion: 117 Resp: 656021

Ion	Ratio	Lower	Upper
117	100		
201	77.7	36.1	108.3

117 100

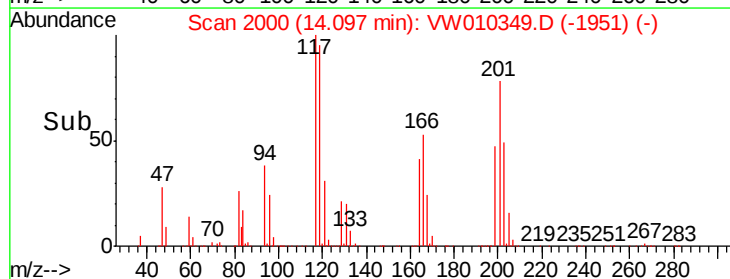
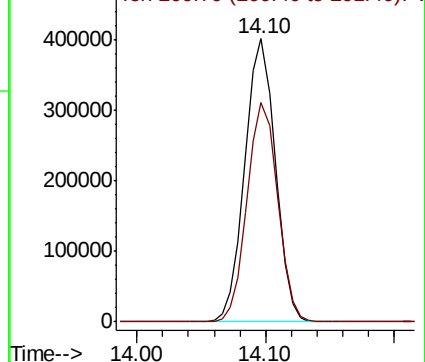
201 77.7 36.1 108.3

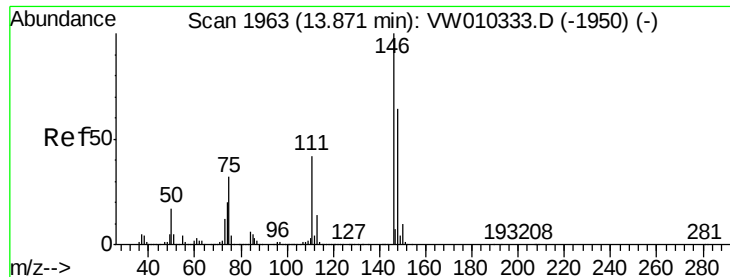


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

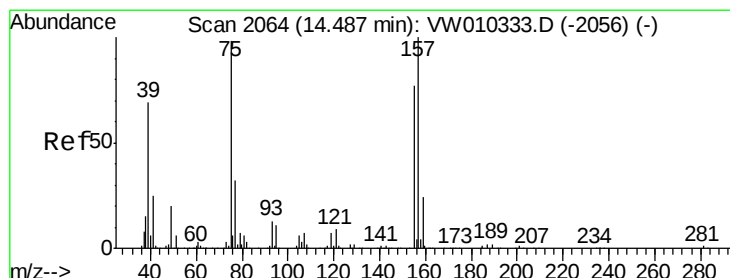
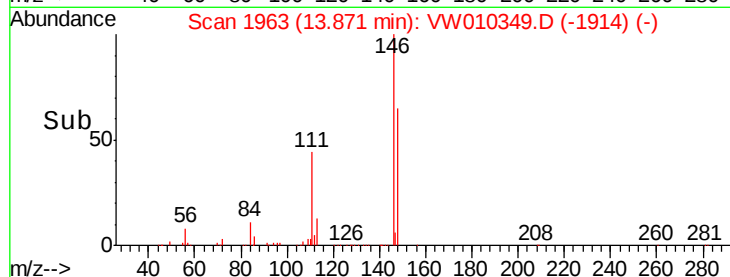
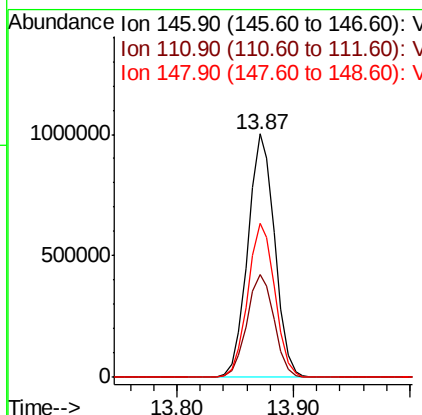
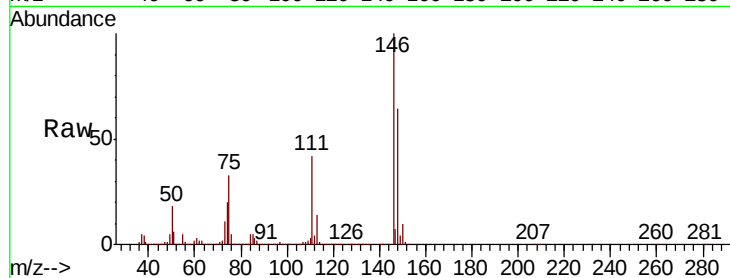




#91
 1,2-Dichlorobenzene
 Concen: 53.142 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

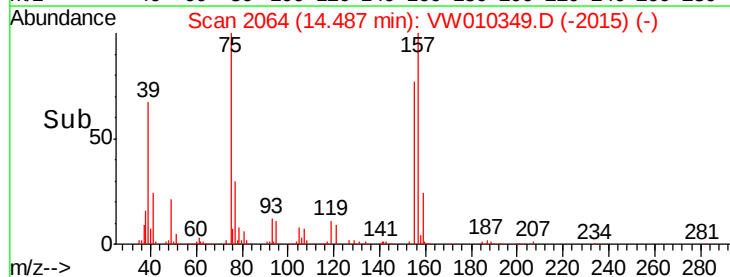
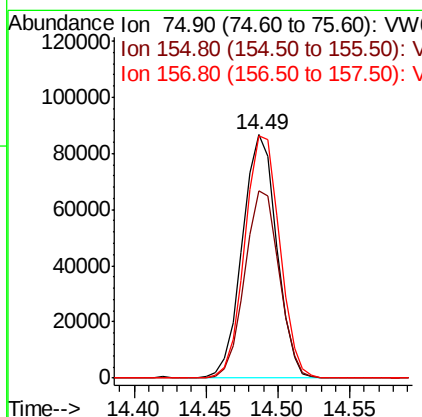
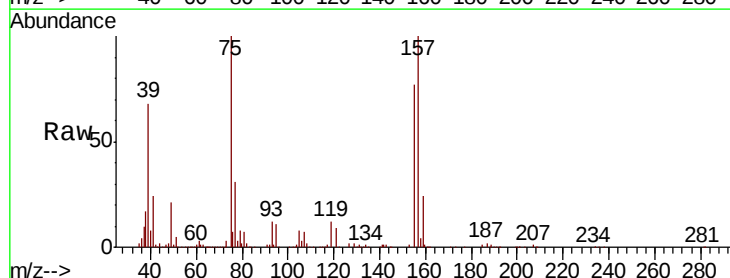
Instrument :
 MSVOA_W
 ClientSampleId :

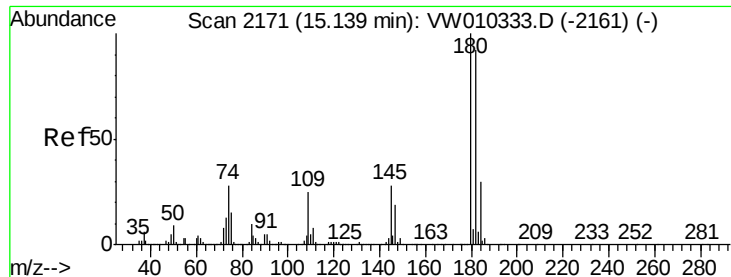
Tot Ion:146 Resp: 1606721
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.9 62.8
 148 63.9 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.675 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion: 75 Resp: 143296
 Ion Ratio Lower Upper
 75 100
 155 77.1 37.1 111.5
 157 100.7 47.3 141.9

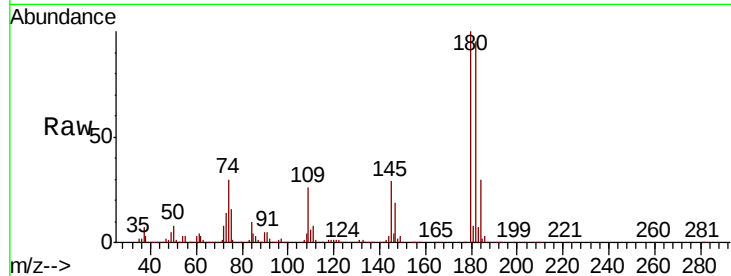




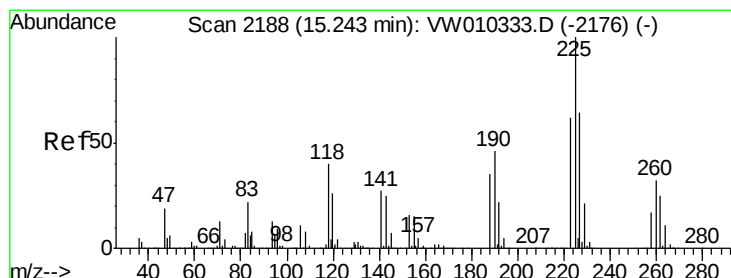
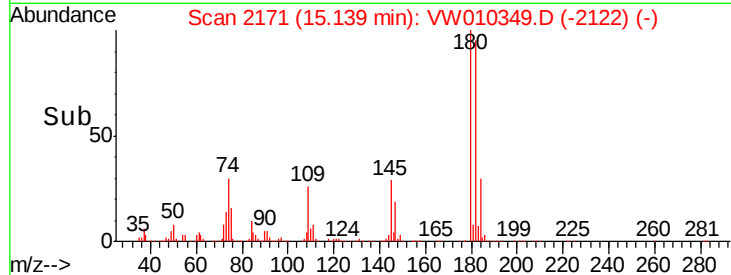
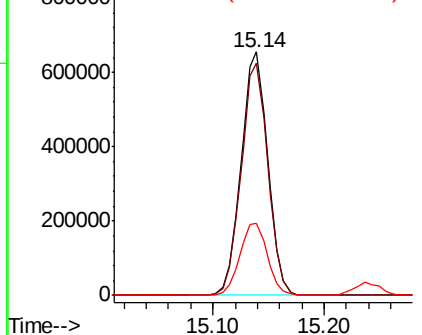
#93
 1,2,4-Trichlorobenzene
 Concen: 52.548 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180 Resp: 1084320
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.1 141.4
 145 30.5 15.2 45.6

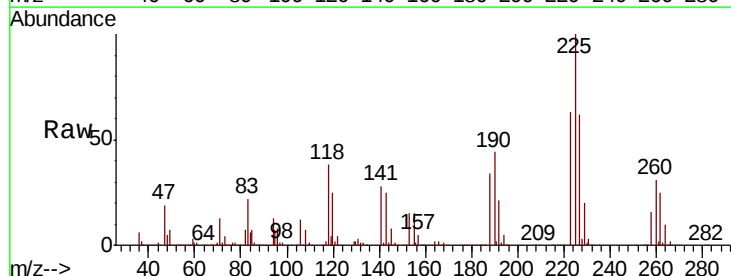


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

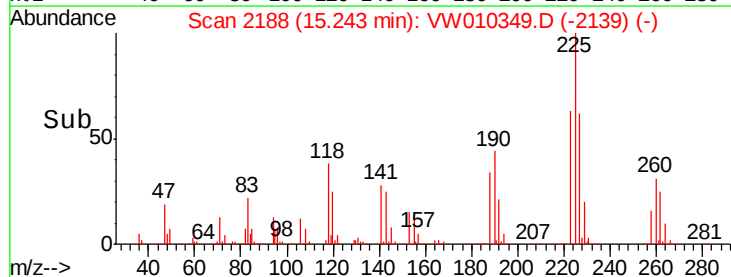
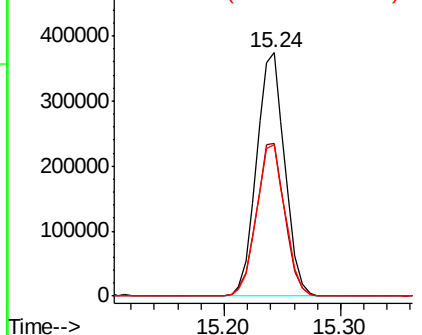


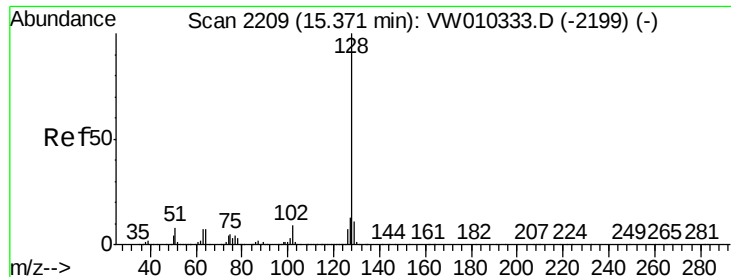
#94
 Hexachlorobutadiene
 Concen: 47.702 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion:225 Resp: 631019
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.5
 227 62.8 31.8 95.3



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

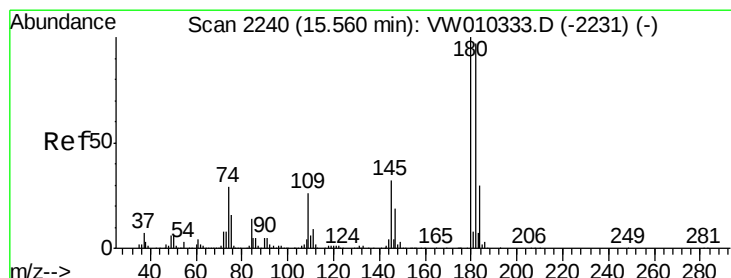
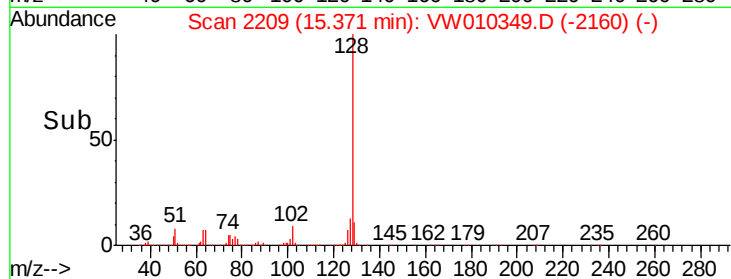
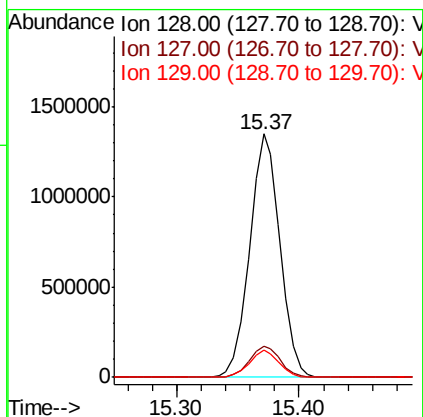
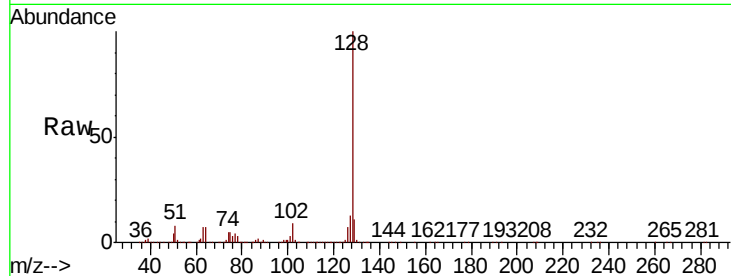




#95
Naphthalene
Concen: 49.127 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 2312675
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.301 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion:180 Resp: 993611
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.3
145 31.9 16.4 49.2

