

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010378.D
 Acq On : 11 May 2019 13:47
 Operator : SY/VA
 Sample : VW0511SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:25:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1409916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2273513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2049785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1029226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	781665	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
35) Dibromofluoromethane	7.88	113	697987	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
50) Toluene-d8	10.32	98	2807546	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.62	95	1011262	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	189439	17.782	ug/l	94
3) Chloromethane	2.21	50	261771	18.138	ug/l	95
4) Vinyl Chloride	2.37	62	347032	19.348	ug/l	99
5) Bromomethane	2.77	94	195081	18.861	ug/l	99
6) Chloroethane	2.92	64	201766	19.451	ug/l	94
7) Trichlorofluoromethane	3.25	101	148355	16.522	ug/l	97
8) Diethyl Ether	3.67	74	167095	21.168	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	288480	19.607	ug/l	98
10) Methyl Iodide	4.26	142	413763	19.859	ug/l	94
11) Tert butyl alcohol	5.18	59	80543	76.087	ug/l	100
12) 1,1-Dichloroethene	4.03	96	304486	19.805	ug/l	93
13) Acrolein	3.89	56	108008	77.282	ug/l	95
14) Allyl chloride	4.65	41	469418	20.455	ug/l	92
15) Acrylonitrile	5.37	53	363061	82.981	ug/l	99
16) Acetone	4.12	43	322404	82.507	ug/l	95
17) Carbon Disulfide	4.37	76	884091	19.013	ug/l	99
18) Methyl Acetate	4.67	43	164869	17.034	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	376164	20.553	ug/l	100
20) Methylene Chloride	4.90	84	331864	20.362	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	339432	20.511	ug/l	100
22) Diisopropyl ether	6.31	45	1028625	23.095	ug/l	96
23) Vinyl Acetate	6.25	43	3148202	102.940	ug/l	97
24) 1,1-Dichloroethane	6.21	63	633487	21.126	ug/l	99
25) 2-Butanone	7.17	43	484123	80.986	ug/l	96
26) 2,2-Dichloropropane	7.16	77	317005	21.248	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	361946	21.267	ug/l	97
28) Bromochloromethane	7.51	49	269893	24.413	ug/l	99
29) Tetrahydrofuran	7.53	42	318601	82.400	ug/l	96
30) Chloroform	7.67	83	612409	21.822	ug/l	98
31) Cyclohexane	7.95	56	623643	20.312	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	457490	21.046	ug/l	100
36) 1,1-Dichloropropene	8.08	75	510367	20.704	ug/l	99
37) Ethyl Acetate	7.25	43	226259	17.239	ug/l	97
38) Carbon Tetrachloride	8.07	117	434004	20.539	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	606441	20.110	ug/l	99
40) Benzene	8.32	78	1415617	20.969	ug/l	100
41) Methacrylonitrile	7.48	41	127881	17.373	ug/l	94
42) 1,2-Dichloroethane	8.40	62	414621	21.456	ug/l	97
43) Isopropyl Acetate	8.42	43	400967	18.420	ug/l	96
44) Trichloroethene	9.09	130	348253	20.605	ug/l	100
45) 1,2-Dichloropropane	9.37	63	363107	21.638	ug/l	96
46) Dibromomethane	9.46	93	173666	20.032	ug/l	97
47) Bromodichloromethane	9.64	83	444385	21.369	ug/l	99
48) Methyl methacrylate	9.43	41	192920	18.744	ug/l	87
49) 1,4-Dioxane	9.45	88	47209	312.260	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	1108861	88.839	ug/l	95
52) Toluene	10.38	92	881045	21.352	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	442015	20.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	531223	21.295	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	251731	20.444	ug/l	97
56) Ethyl methacrylate	10.65	69	320162	19.690	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	463347	21.049	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	895400	115.014	ug/l	100
59) 2-Hexanone	10.97	43	767130	86.927	ug/l	94
60) Dibromochloromethane	11.13	129	278461	21.016	ug/l	99
61) 1,2-Dibromoethane	11.24	107	233024	19.714	ug/l	96
64) Tetrachloroethene	10.86	164	291171	20.324	ug/l	98
65) Chlorobenzene	11.66	112	898164	21.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	301619	21.031	ug/l	98
67) Ethyl Benzene	11.73	91	1674840	21.456	ug/l	99
68) m/p-Xylenes	11.84	106	1260282	43.455	ug/l	99
69) o-Xylene	12.17	106	565851	21.568	ug/l	98
70) Styrene	12.18	104	1014222	22.187	ug/l	98
71) Bromoform	12.35	173	153550	18.730	ug/l #	98
73) Isopropylbenzene	12.47	105	1590753	21.204	ug/l	100
74) N-amyl acetate	12.27	43	369296	19.054	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	299667	18.129	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	382110	31.843	ug/l #	100
77) Bromobenzene	12.75	156	356638	21.054	ug/l	100
78) n-propylbenzene	12.80	91	1997339	21.556	ug/l	100
79) 2-Chlorotoluene	12.90	91	1126456	21.348	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1375286	21.745	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	88763	16.705	ug/l	98
82) 4-Chlorotoluene	12.99	91	1189082	21.508	ug/l	99
83) tert-Butylbenzene	13.21	119	1102304	20.896	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1377642	21.920	ug/l	100
85) sec-Butylbenzene	13.38	105	1653958	21.239	ug/l	100
86) p-Isopropyltoluene	13.50	119	1495048	21.622	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	717221	21.204	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	709216	21.128	ug/l	99
89) n-Butylbenzene	13.83	91	1478122	21.320	ug/l	98
90) Hexachloroethane	14.10	117	258037	20.121	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	631137	21.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47300	15.891	ug/l	97

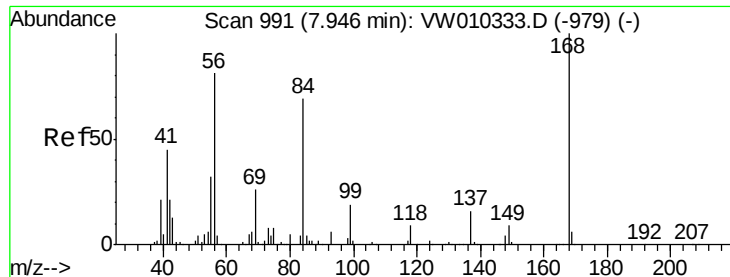
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	435572	21.315	ug/l	99
94) Hexachlorobutadiene	15.24	225	271416	20.718	ug/l	99
95) Naphthalene	15.37	128	767316	18.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	384453	20.825	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

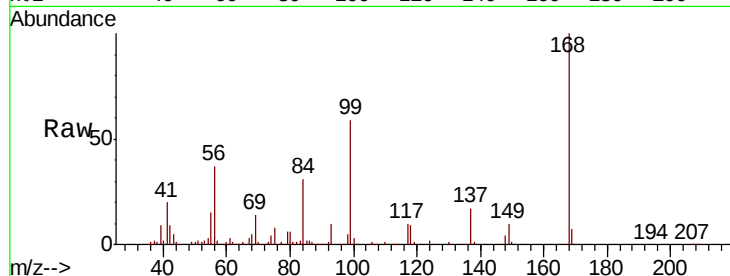
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 1409916

Ion Ratio Lower Upper

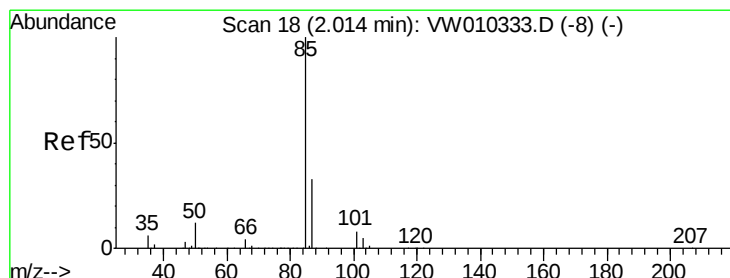
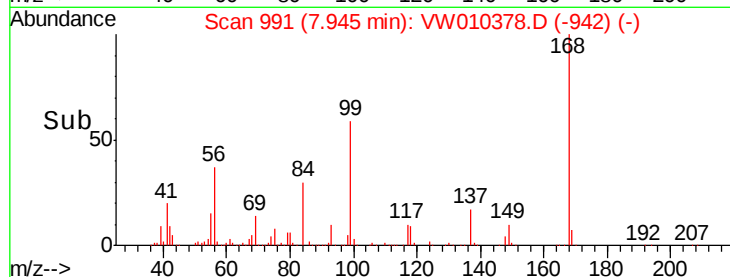
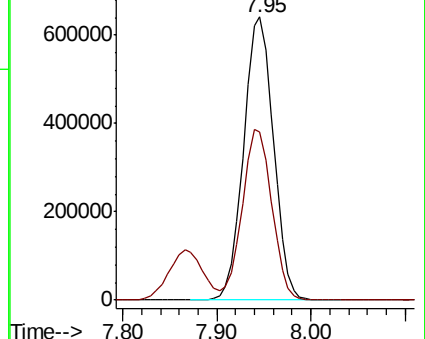
168 100

99 59.3 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: 17.782 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010378.D

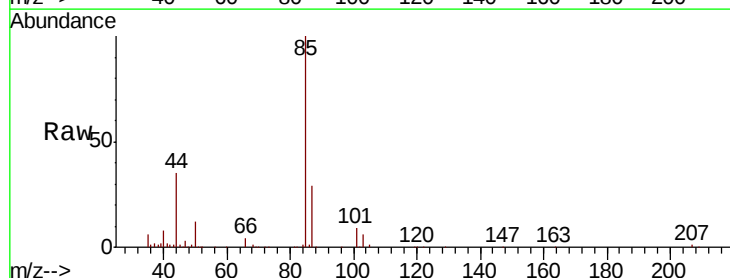
Acq: 11 May 2019 13:47

Tgt Ion: 85 Resp: 189439

Ion Ratio Lower Upper

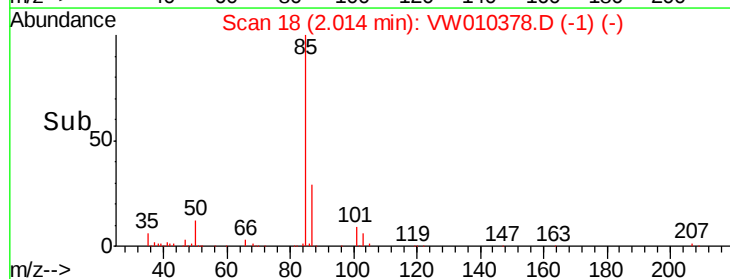
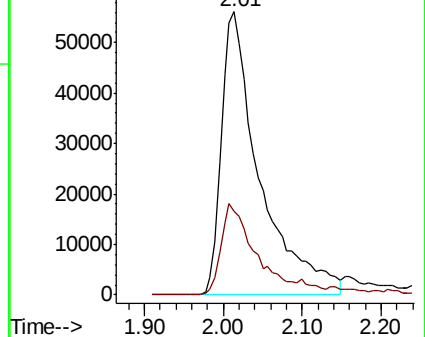
85 100

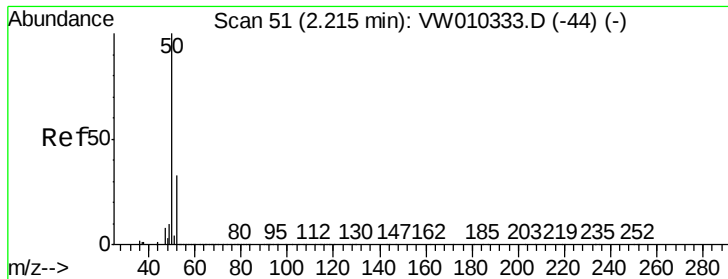
87 29.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.138 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

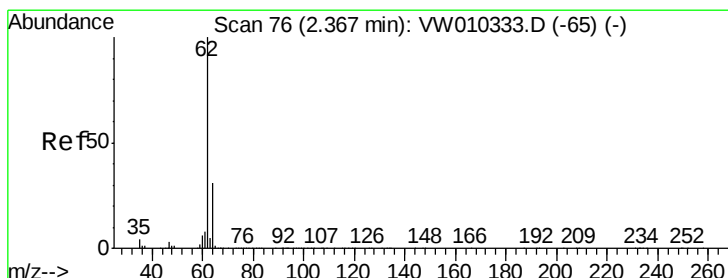
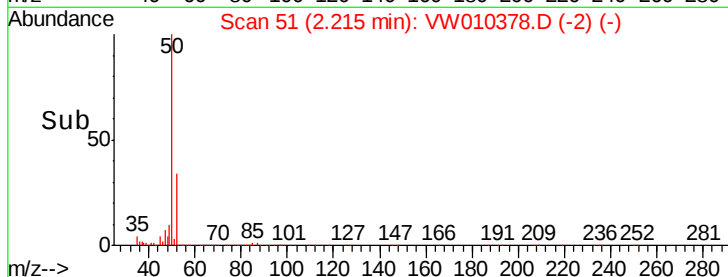
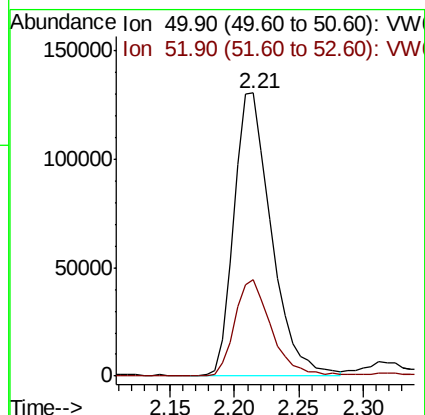
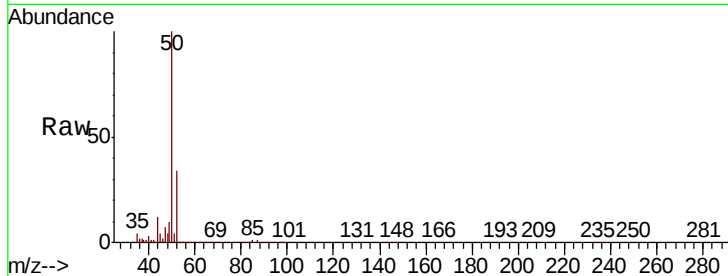
ClientSampled :

Tot Ion: 50 Resp: 261771

Ion Ratio Lower Upper

50 100

52 34.0 25.0 37.6



#4

Vinyl Chloride

Concen: 19.348 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010378.D

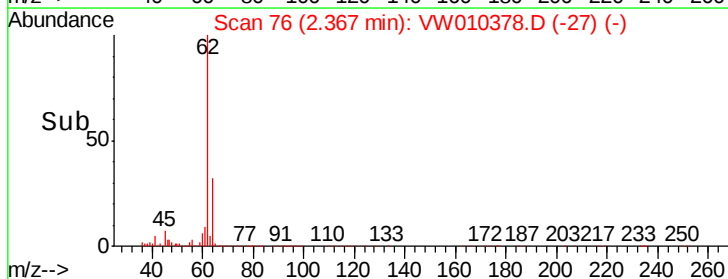
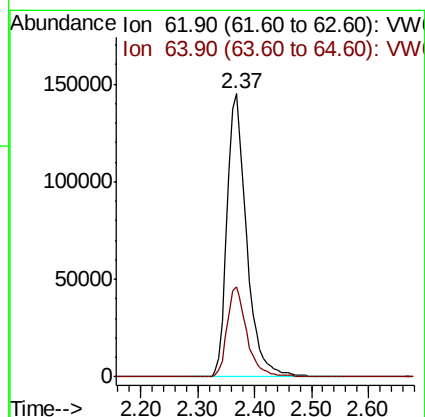
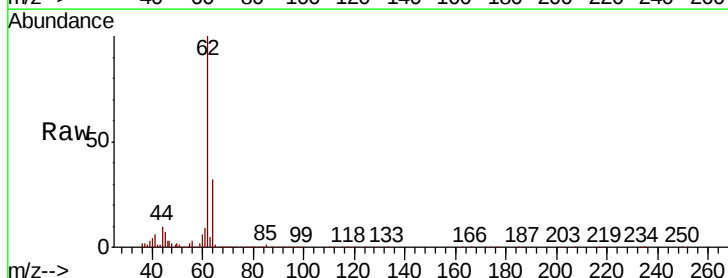
Acq: 11 May 2019 13:47

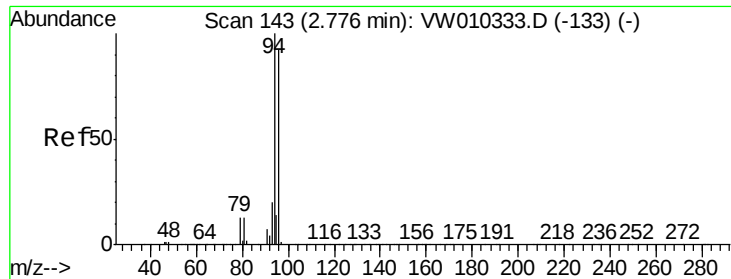
Tgt Ion: 62 Resp: 347032

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 18.861 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

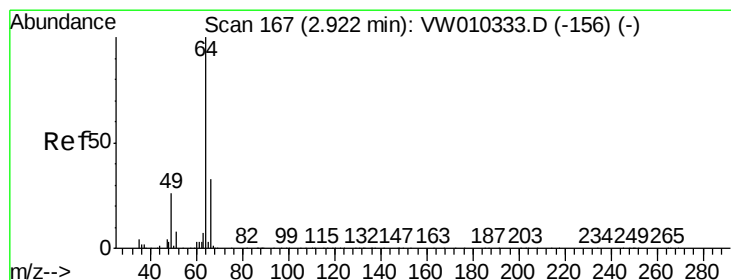
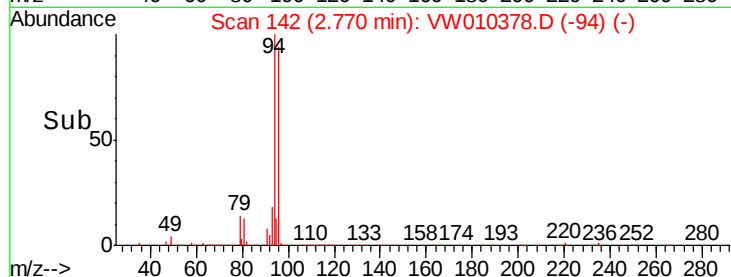
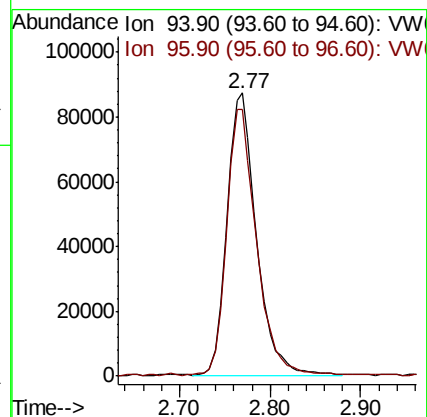
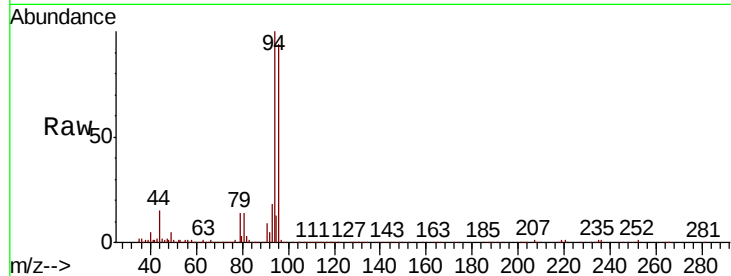
ClientSampleId :

Tot Ion: 94 Resp: 195081

Ion Ratio Lower Upper

94 100

96 94.0 74.2 111.2



#6

Chloroethane

Concen: 19.451 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010378.D

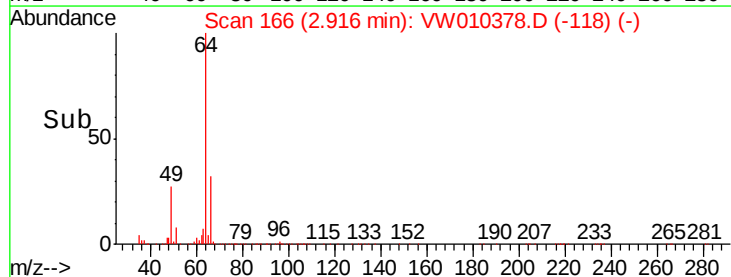
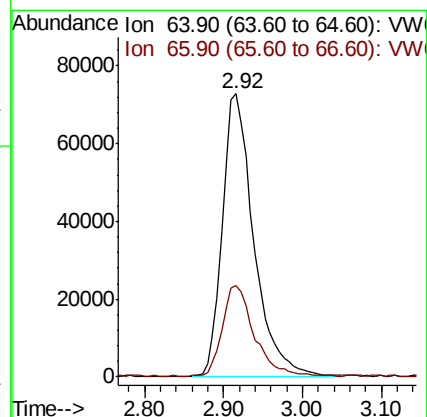
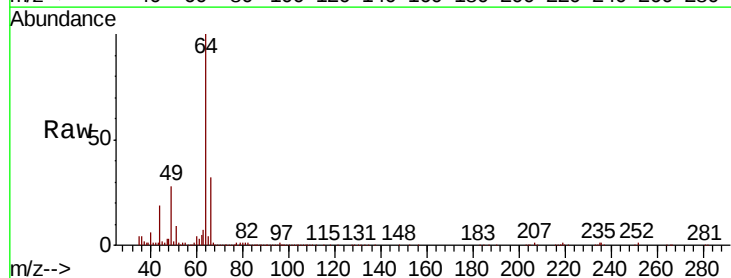
Acq: 11 May 2019 13:47

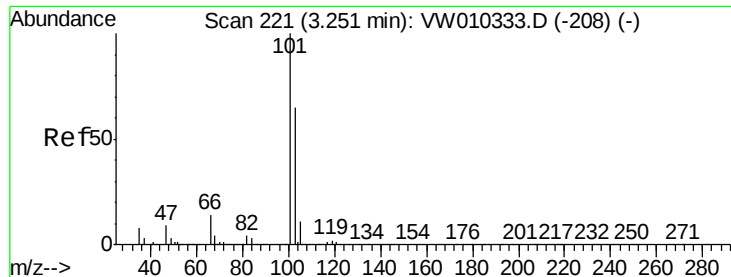
Tgt Ion: 64 Resp: 201766

Ion Ratio Lower Upper

64 100

66 32.1 23.4 35.0



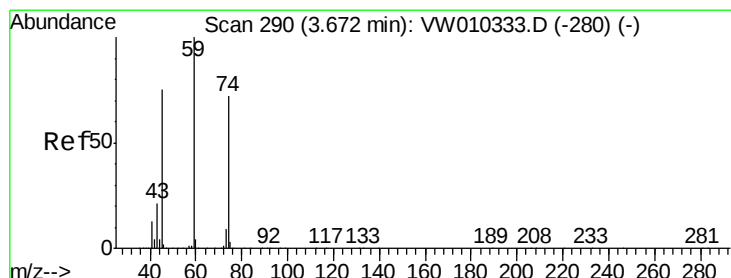
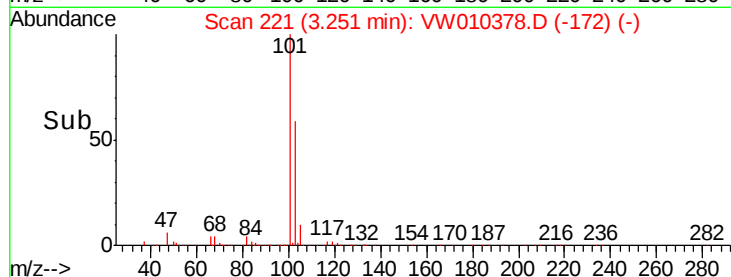
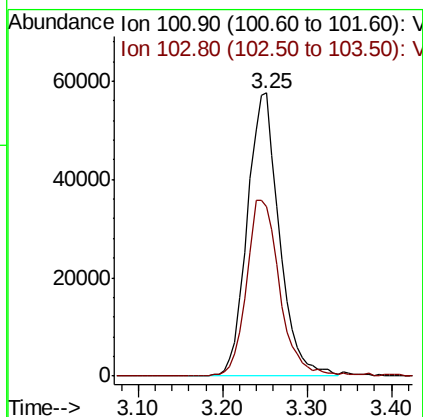
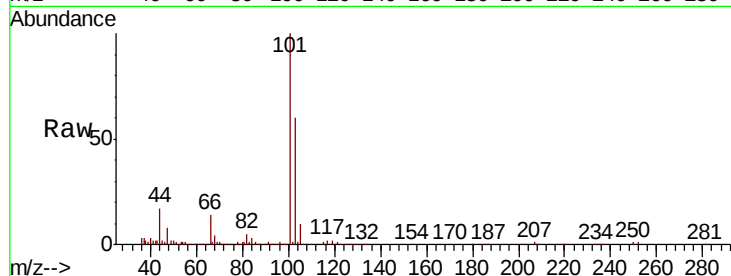


#7

Trichlorofluoromethane
Concen: 16.522 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :

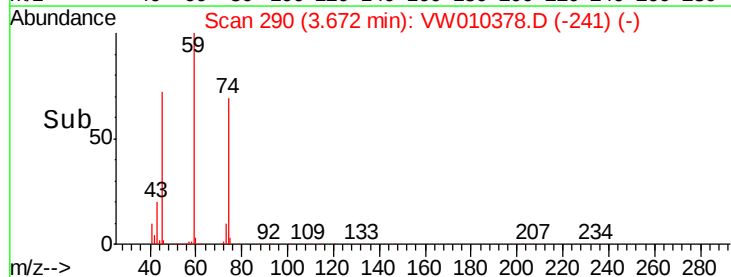
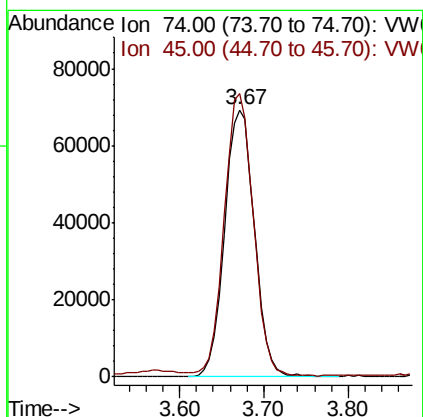
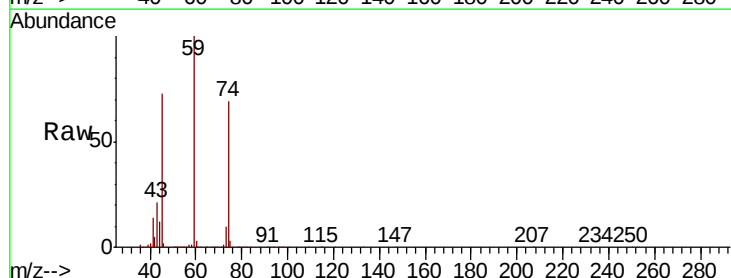
Tot Ion:101 Resp: 148355
Ion Ratio Lower Upper
101 100
103 59.7 49.8 74.6

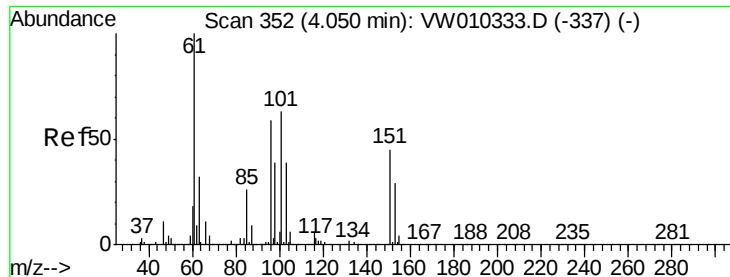


#8

Diethyl Ether
Concen: 21.168 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 74 Resp: 167095
Ion Ratio Lower Upper
74 100
45 103.4 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.607 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

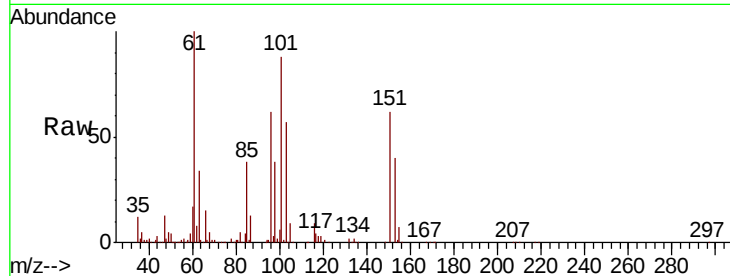
Tot Ion:101 Resp: 288480

Ion Ratio Lower Upper

101 100

85 44.5 36.3 54.5

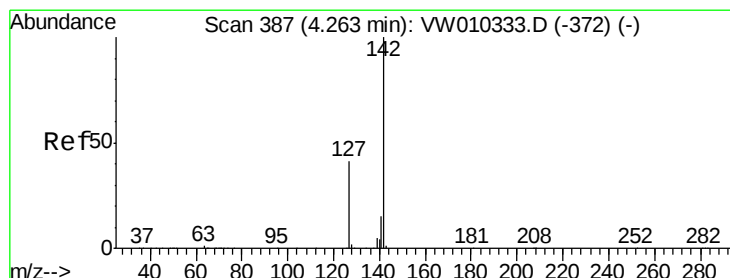
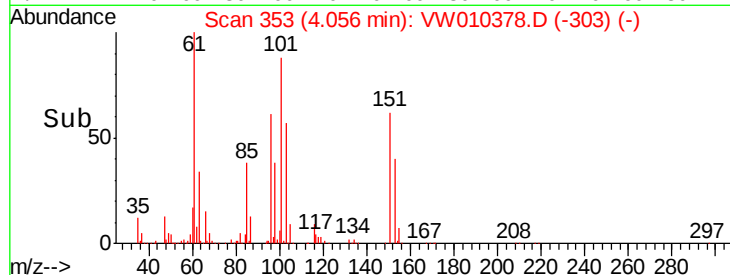
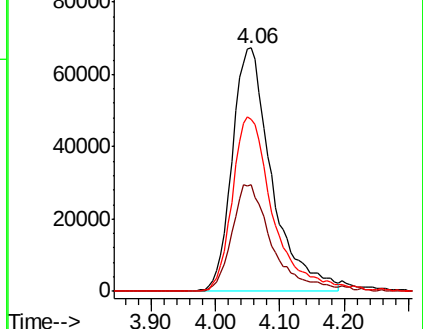
151 73.7 60.2 90.2



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: 19.859 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

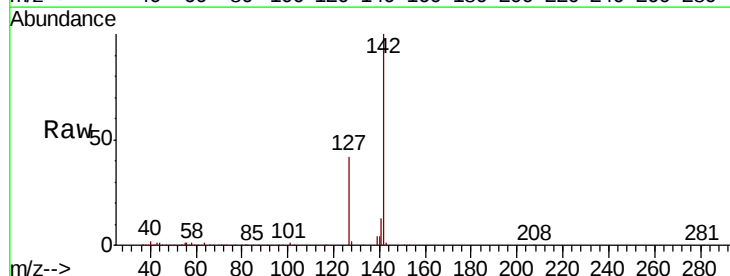
Tgt Ion:142 Resp: 413763

Ion Ratio Lower Upper

142 100

127 43.0 38.1 57.1

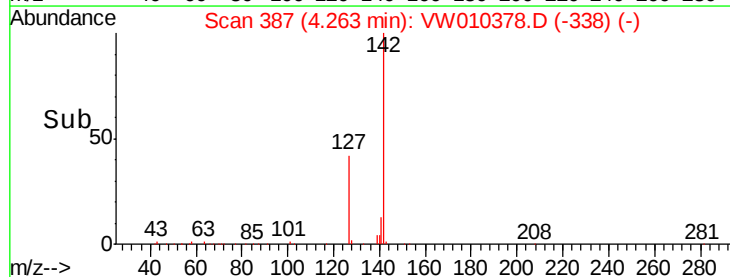
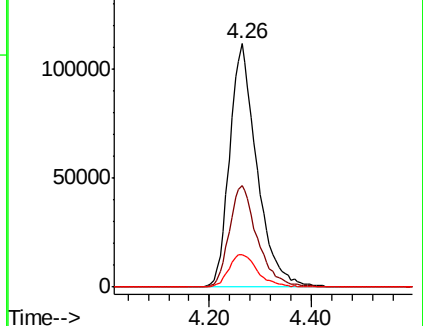
141 14.5 12.2 18.2

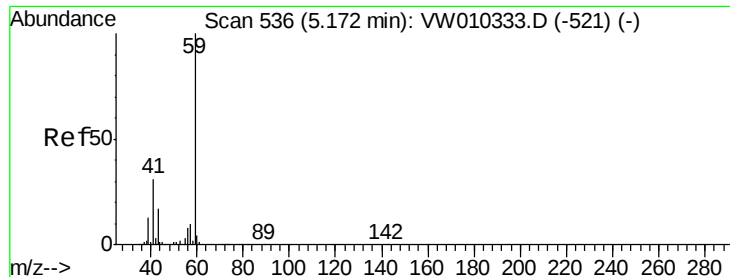


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



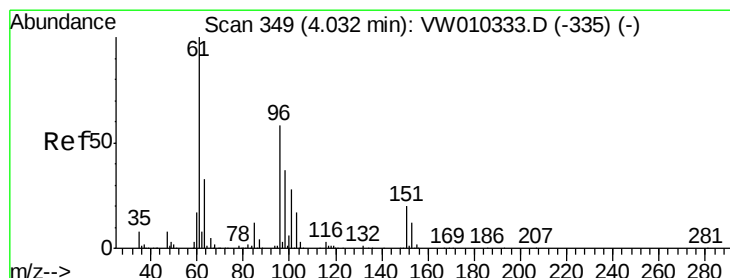
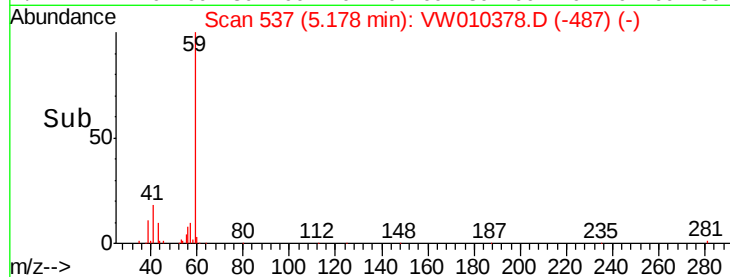
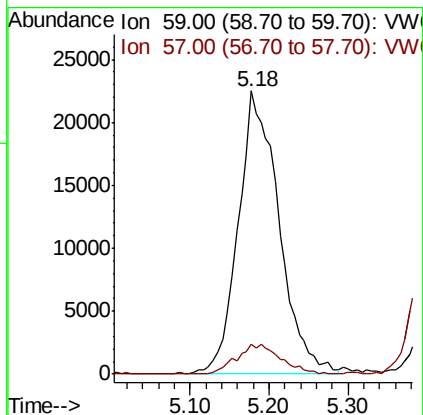
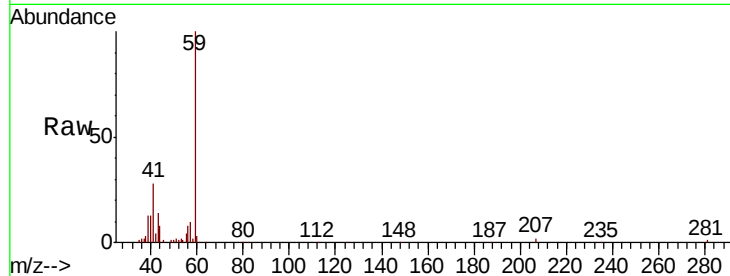


#11

Tert butyl alcohol
 Concen: 76.087 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampled :

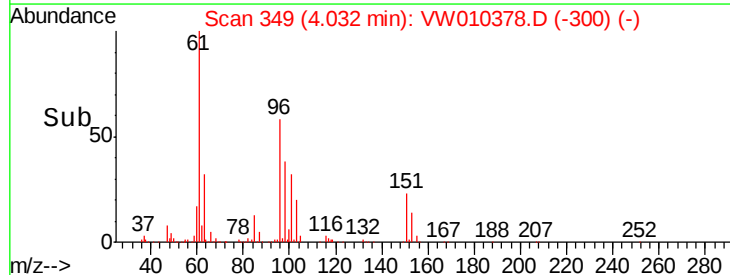
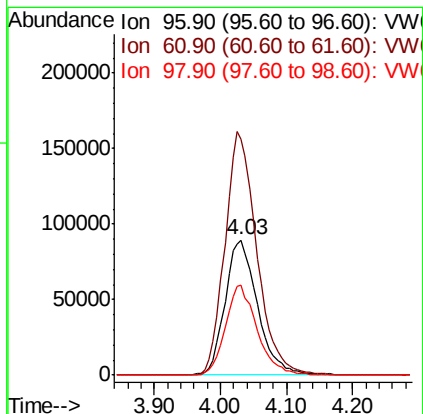
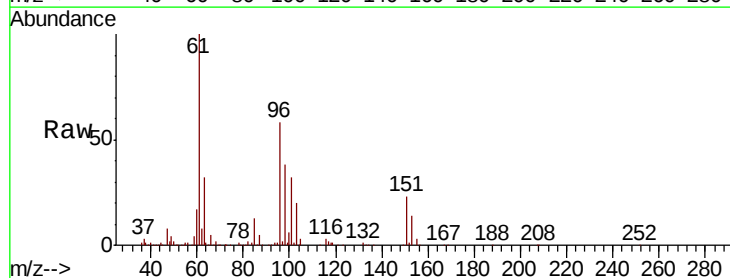
Tot Ion: 59 Resp: 80543
 Ion Ratio Lower Upper
 59 100
 57 11.4 9.0 13.4

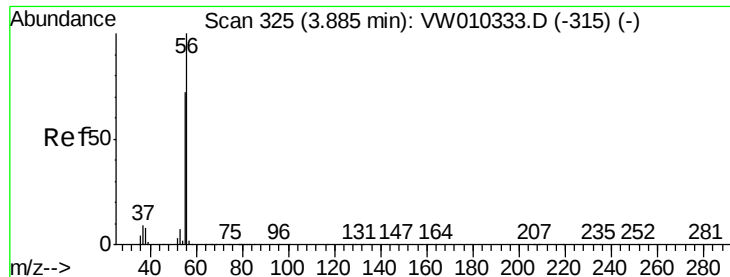


#12

1,1-Dichloroethene
 Concen: 19.805 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion: 96 Resp: 304486
 Ion Ratio Lower Upper
 96 100
 61 173.9 147.4 221.2
 98 66.2 49.7 74.5

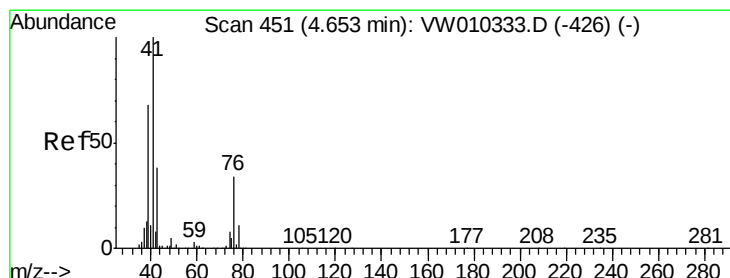
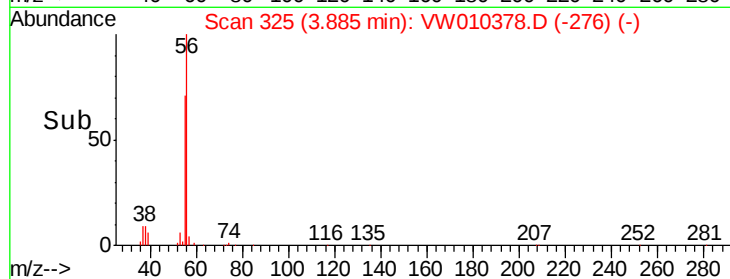
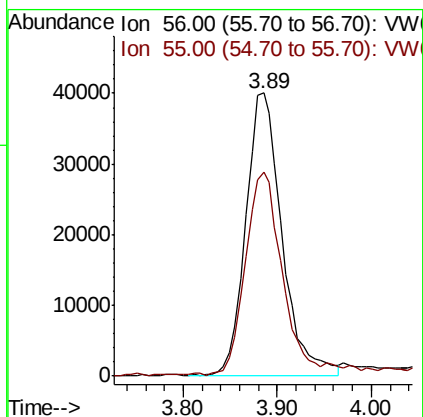
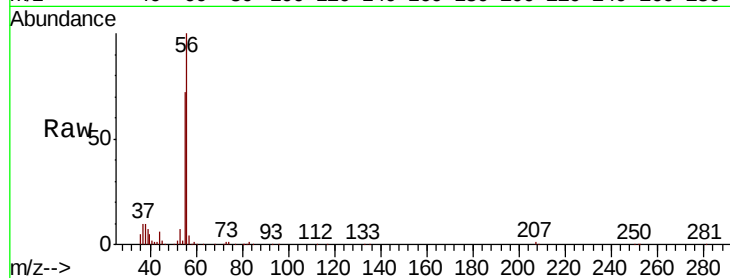




#13
Acrolein
Concen: 77.282 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

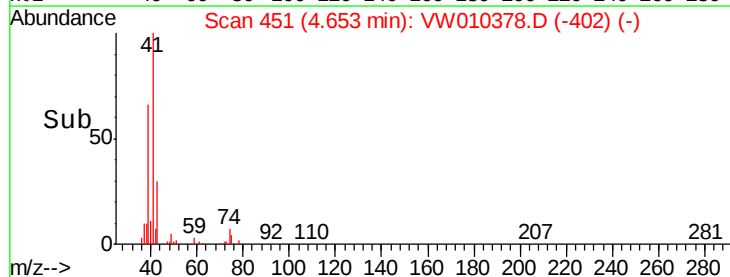
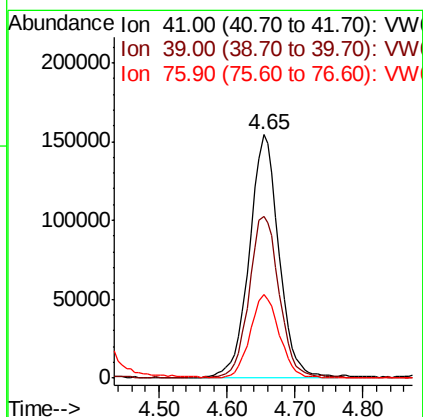
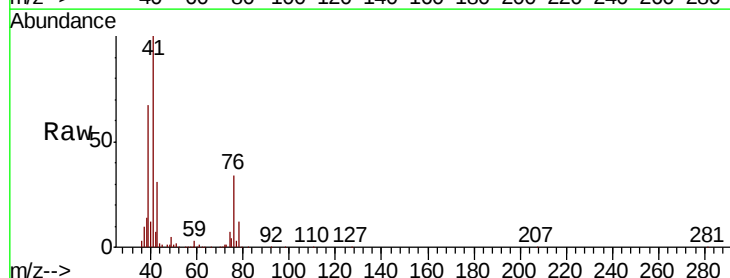
Instrument :
MSVOA_W
ClientSampleId :

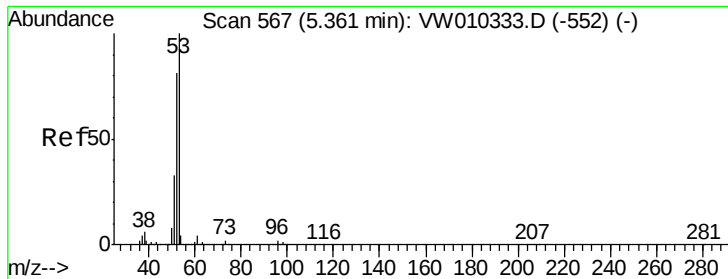
Tot Ion: 56 Resp: 108008
Ion Ratio Lower Upper
56 100
55 72.0 54.2 81.2



#14
Allyl chloride
Concen: 20.455 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 41 Resp: 469418
Ion Ratio Lower Upper
41 100
39 67.5 60.2 90.4
76 33.7 25.0 37.6

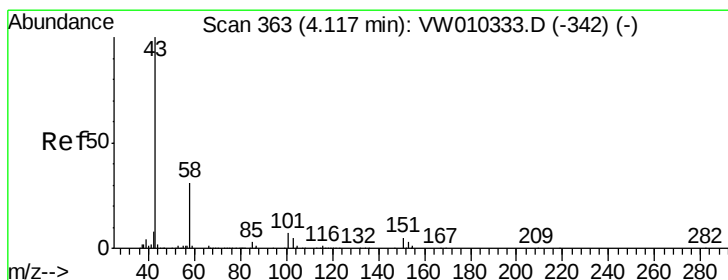
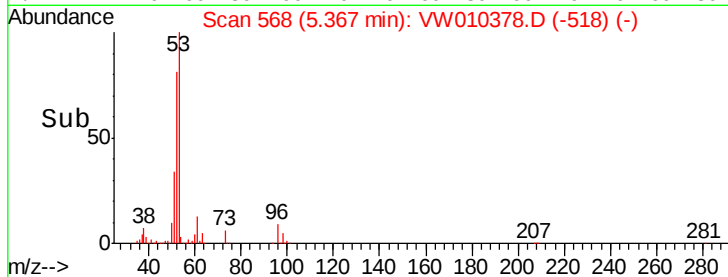
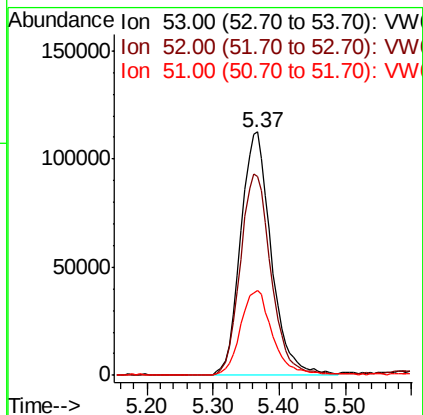
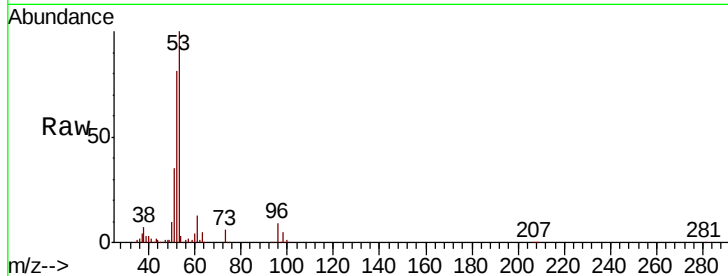




#15
 Acrylonitrile
 Concen: 82.981 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

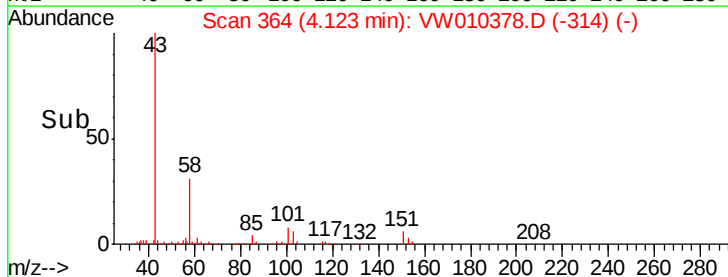
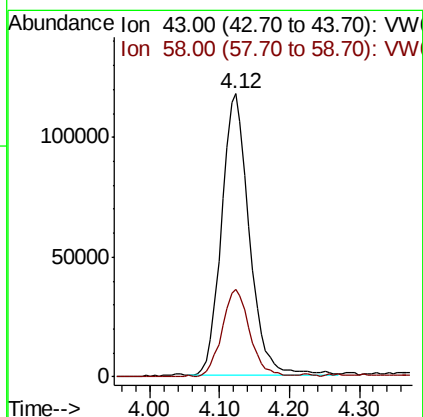
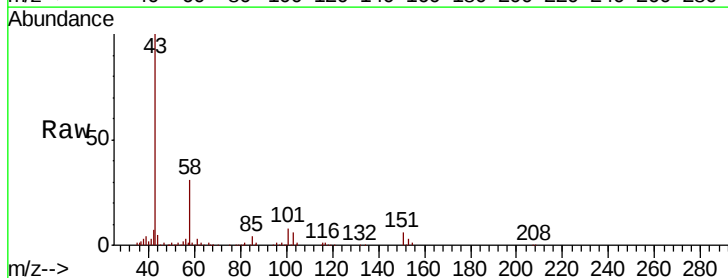
Instrument :
 MSVOA_W
 ClientSampleId :

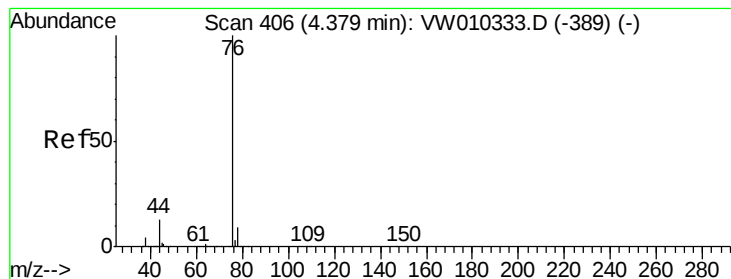
Tot Ion: 53 Resp: 363061
 Ion Ratio Lower Upper
 53 100
 52 83.0 66.6 100.0
 51 36.6 30.3 45.5



#16
 Acetone
 Concen: 82.507 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion: 43 Resp: 322404
 Ion Ratio Lower Upper
 43 100
 58 30.9 22.7 34.1





#17

Carbon Disulfide

Concen: 19.013 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

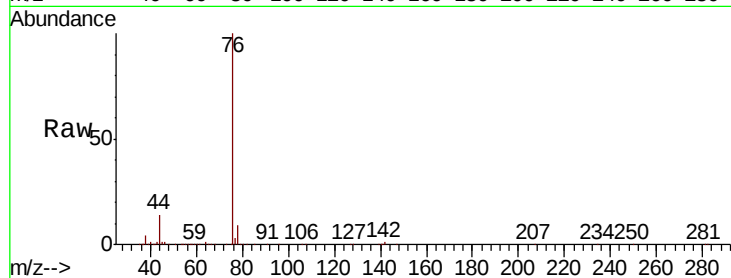
ClientSampleId :

Tot Ion: 76 Resp: 884091

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

250000

200000

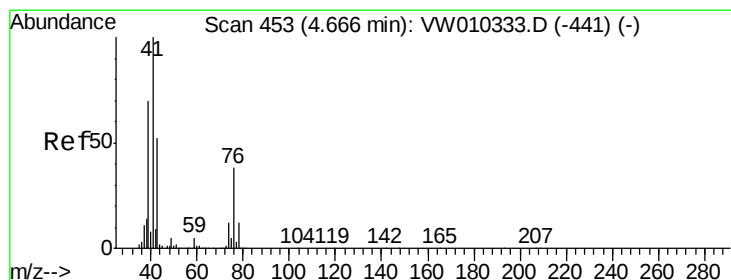
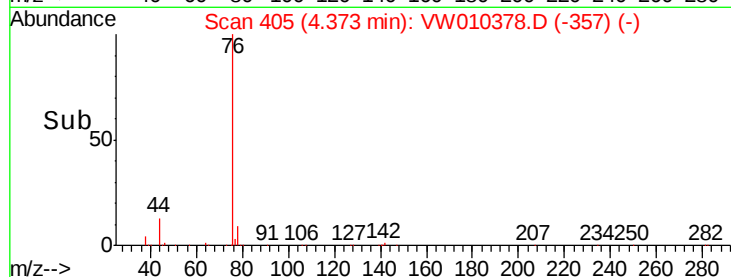
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.034 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010378.D

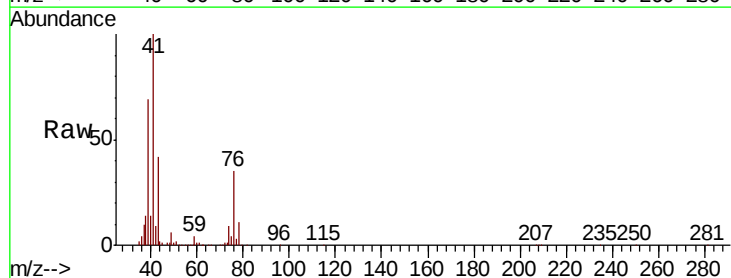
Acq: 11 May 2019 13:47

Tgt Ion: 43 Resp: 164869

Ion Ratio Lower Upper

43 100

74 23.3 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

60000

50000

40000

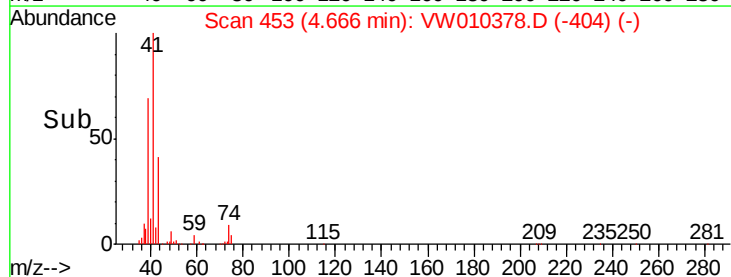
30000

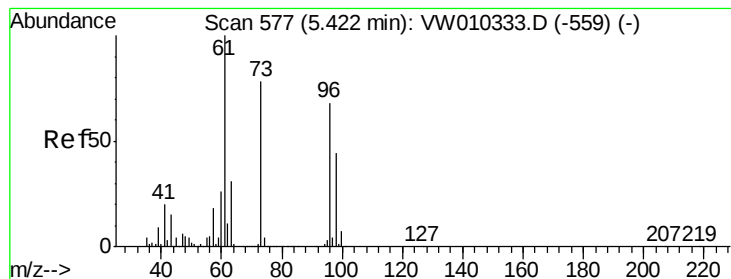
20000

10000

0

Time-->



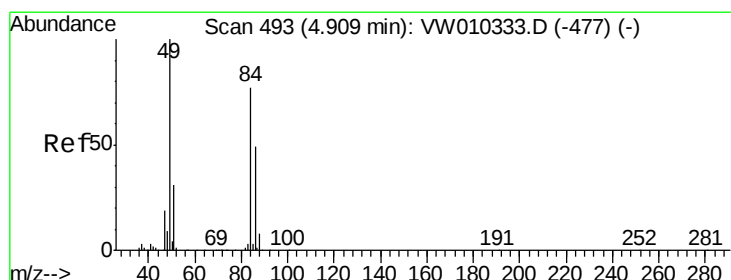
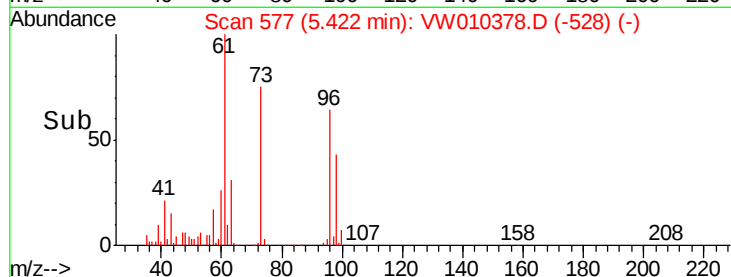
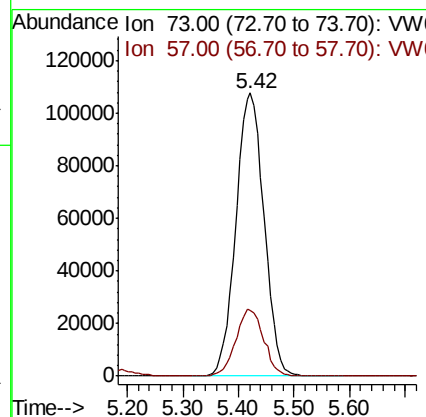
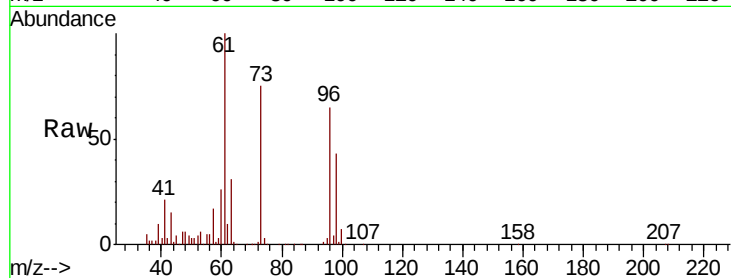


#19

Methyl tert-butyl Ether
 Concen: 20.553 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Instrument :
 MSVOA_W
 ClientSampled :

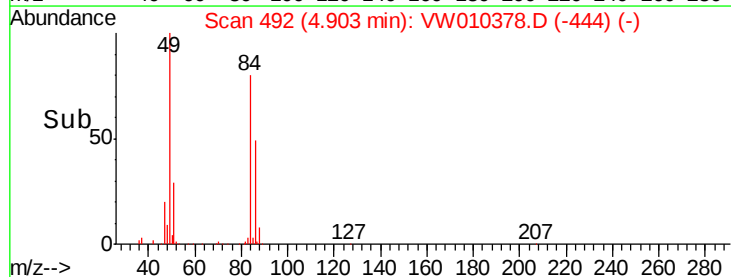
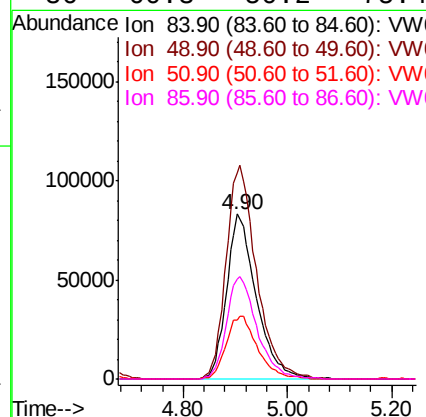
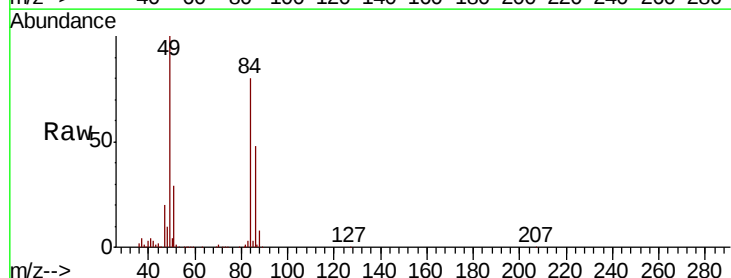
Tot Ion: 73 Resp: 376164
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.5 27.7

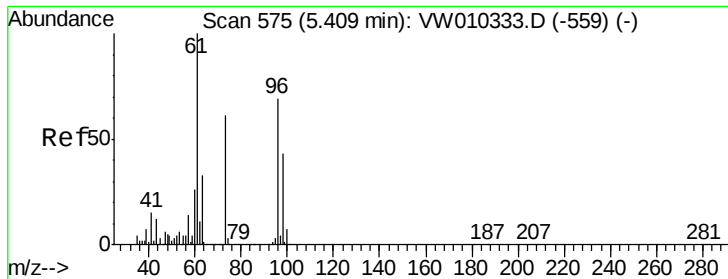


#20

Methylene Chloride
 Concen: 20.362 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion: 84 Resp: 331864
 Ion Ratio Lower Upper
 84 100
 49 125.2 112.3 168.5
 51 36.1 33.9 50.9
 86 60.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.511 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

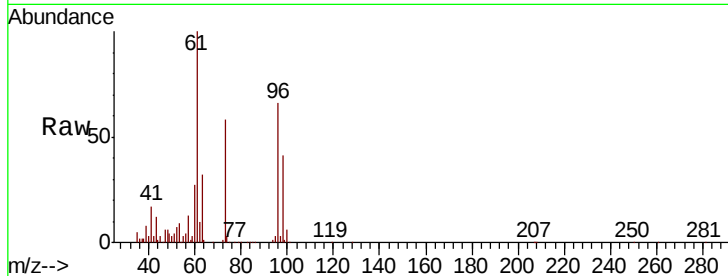
Tot Ion: 96 Resp: 339432

Ion Ratio Lower Upper

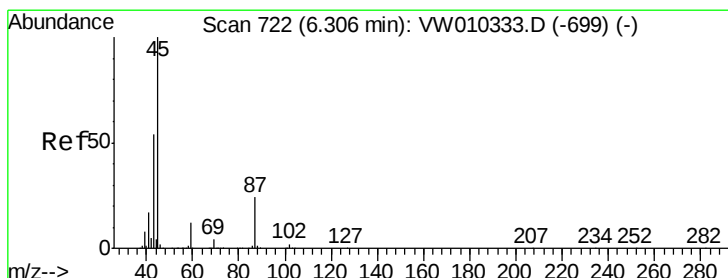
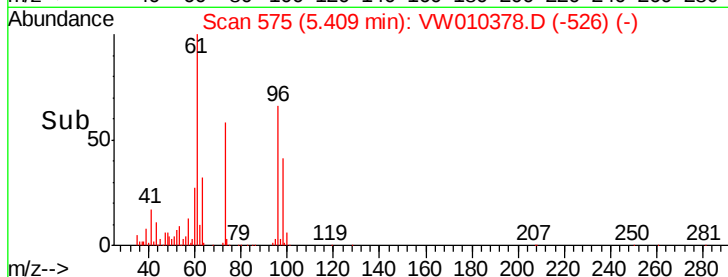
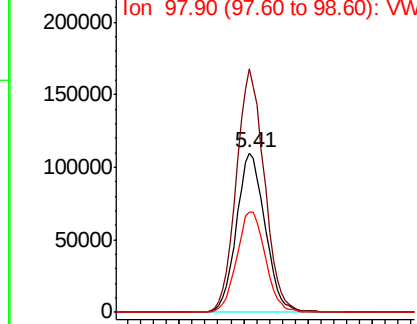
96 100

61 152.5 122.3 183.5

98 63.2 50.5 75.7



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



#22

Diisopropyl ether

Concen: 23.095 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion: 45 Resp: 1028625

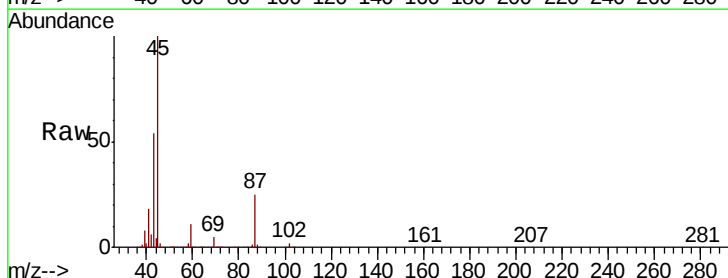
Ion Ratio Lower Upper

45 100

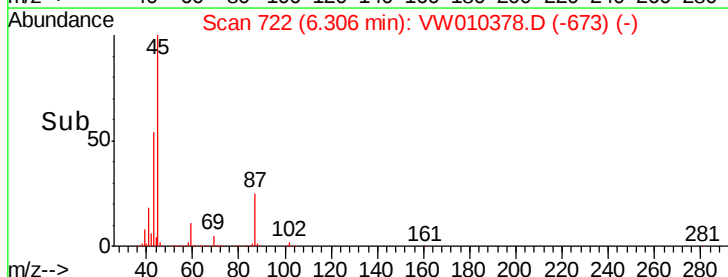
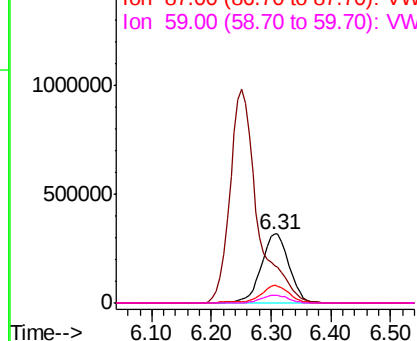
43 54.2 46.1 69.1

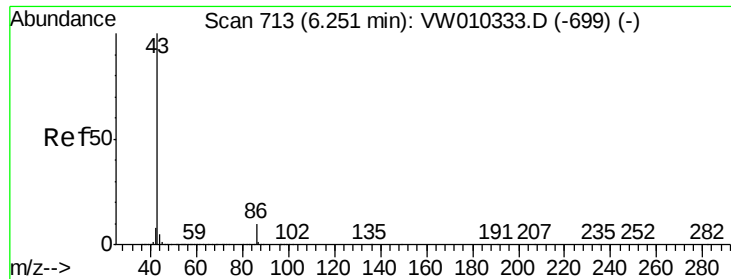
87 25.3 18.3 27.5

59 10.9 8.2 12.4



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





#23

Vinyl Acetate

Concen: 102.940 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

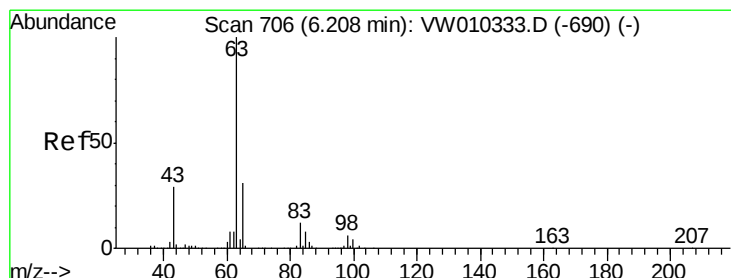
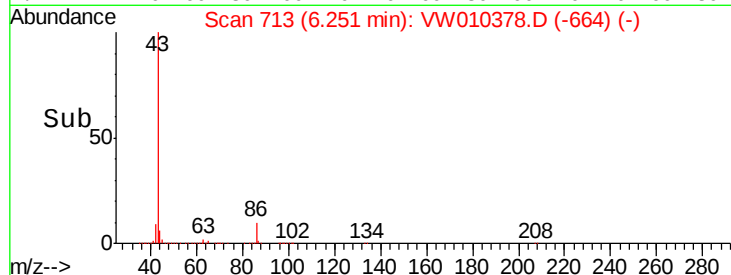
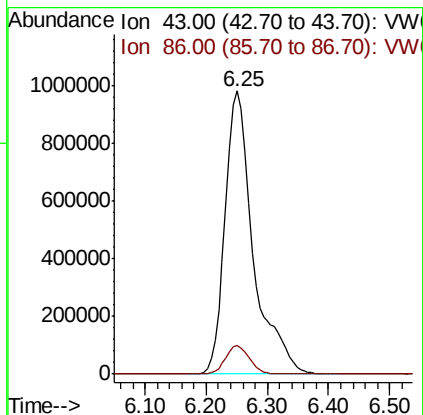
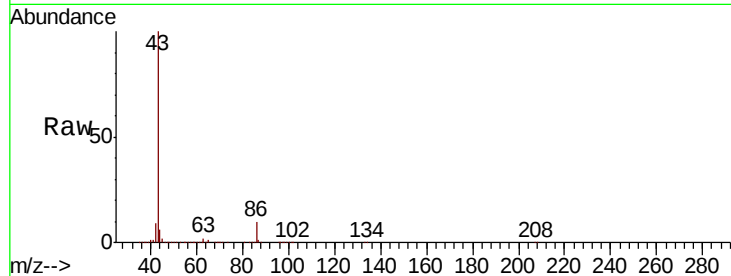
ClientSampled :

Tot Ion: 43 Resp: 3148202

Ion Ratio Lower Upper

43 100

86 9.9 7.0 10.6



#24

1,1-Dichloroethane

Concen: 21.126 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

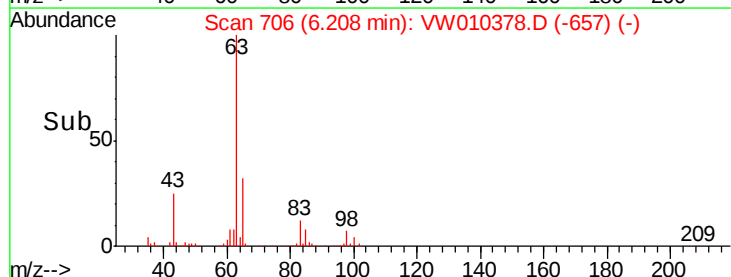
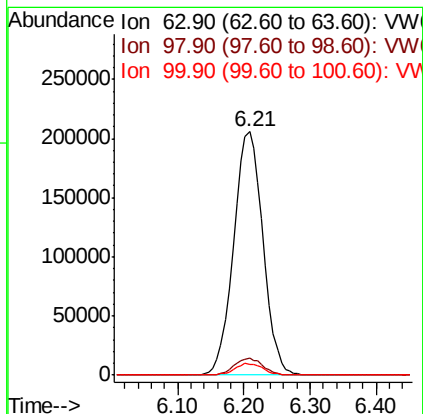
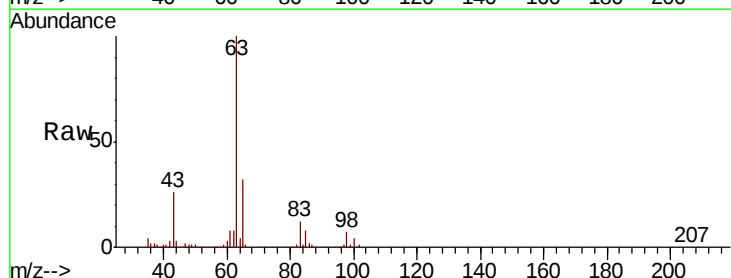
Tgt Ion: 63 Resp: 633487

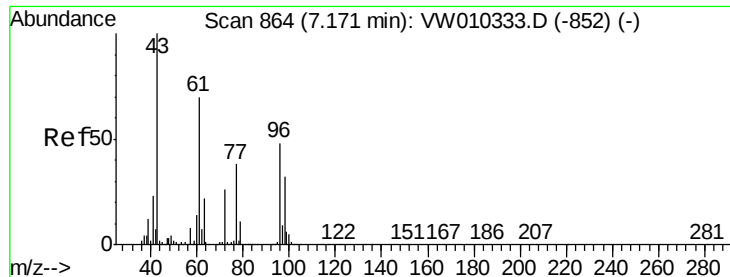
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 80.986 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

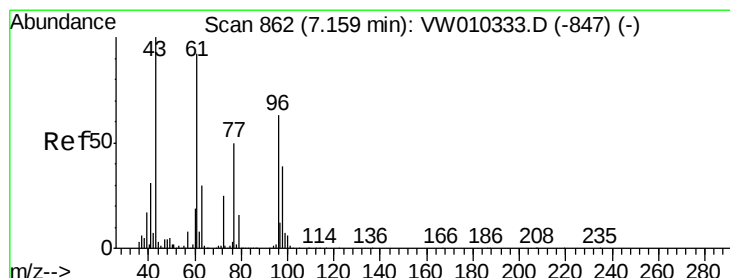
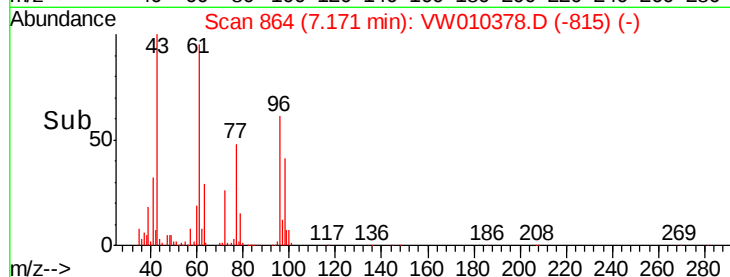
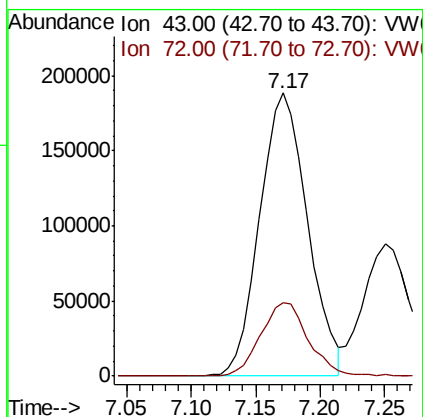
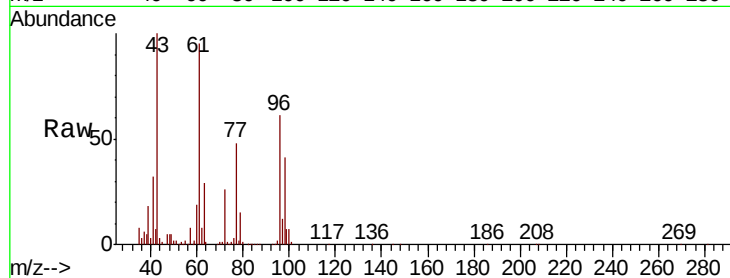
ClientSampled :

Tot Ion: 43 Resp: 484123

Ion Ratio Lower Upper

43 100

72 25.9 19.1 28.7



#26

2,2-Dichloropropane

Concen: 21.248 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010378.D

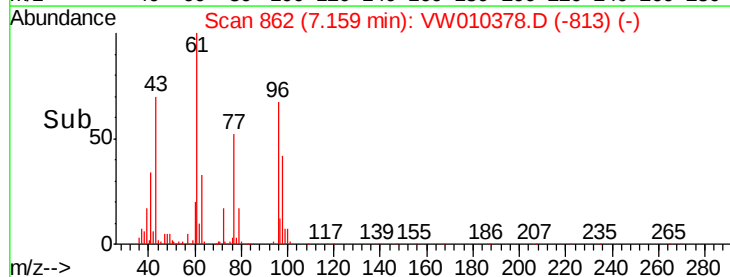
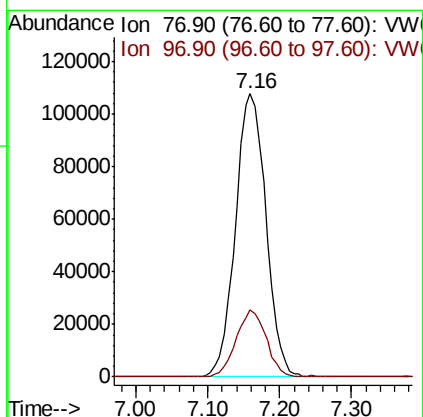
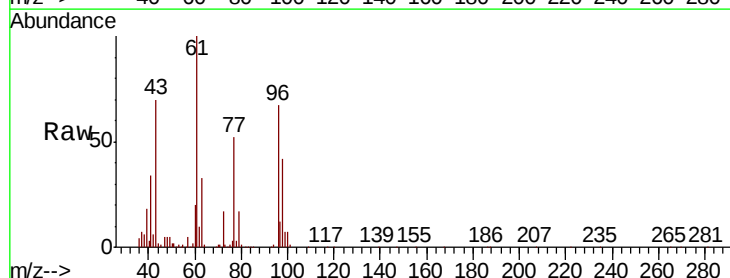
Acq: 11 May 2019 13:47

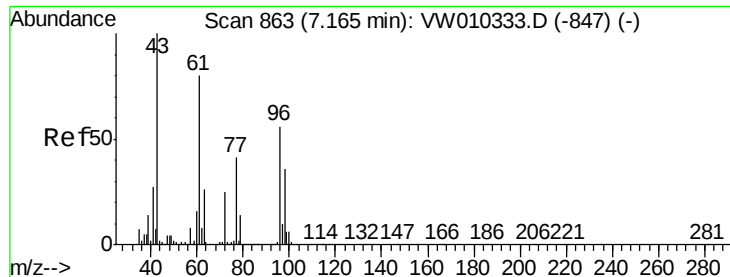
Tgt Ion: 77 Resp: 317005

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9



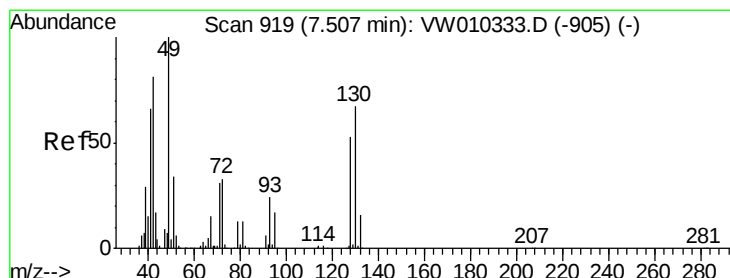
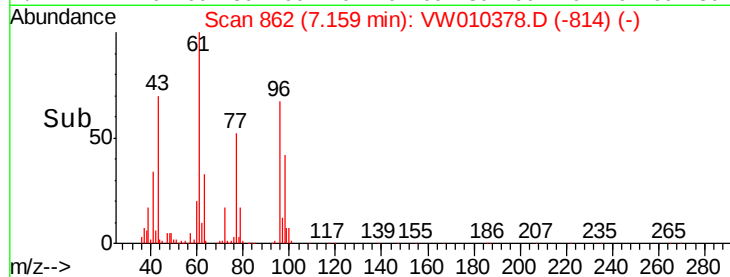
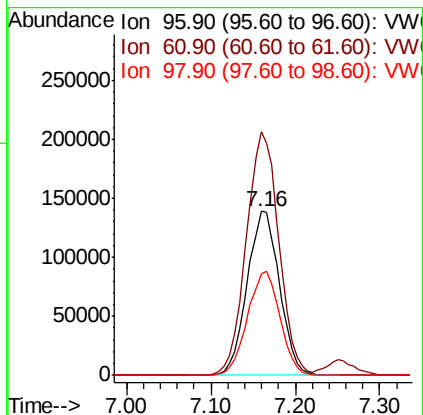
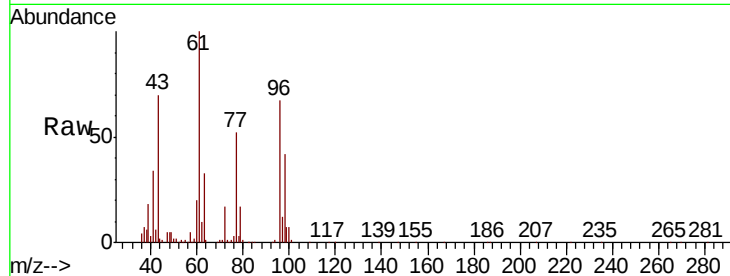


#27

cis-1,2-Dichloroethene
Concen: 21.267 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :

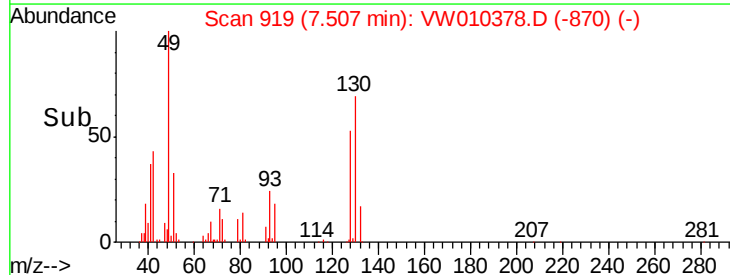
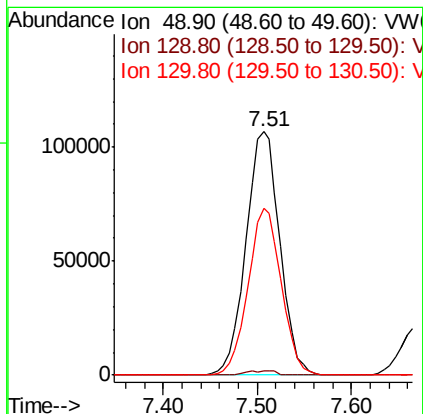
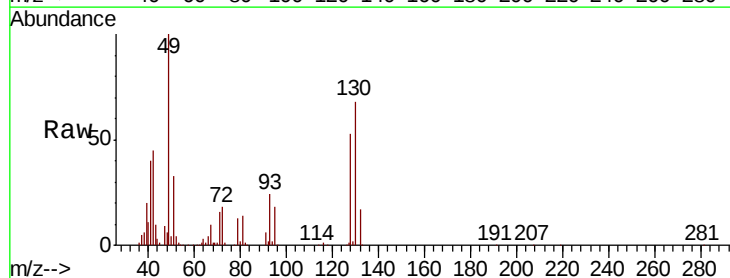
Tot Ion	96	Resp	361946
Ion Ratio	Lower	Upper	
96	100		
61	149.1	0.0	309.4
98	64.0	0.0	128.6

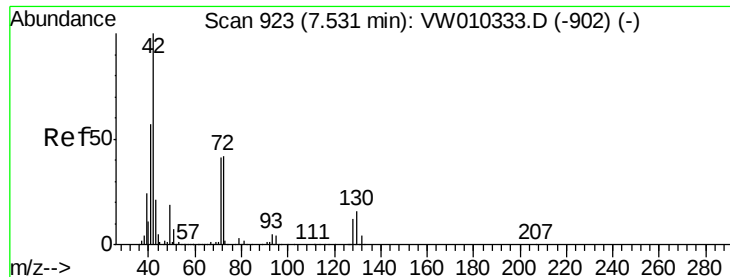


#28

Bromochloromethane
Concen: 24.413 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	49	Resp	269893
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.8
130	67.2	54.6	82.0

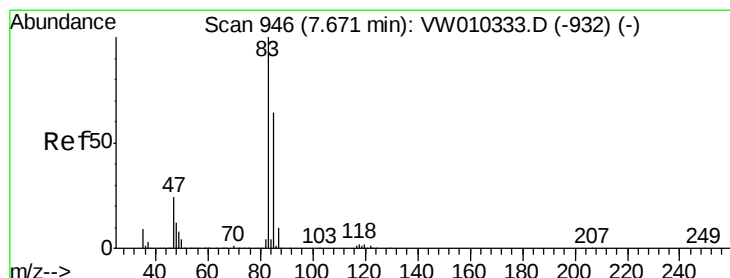
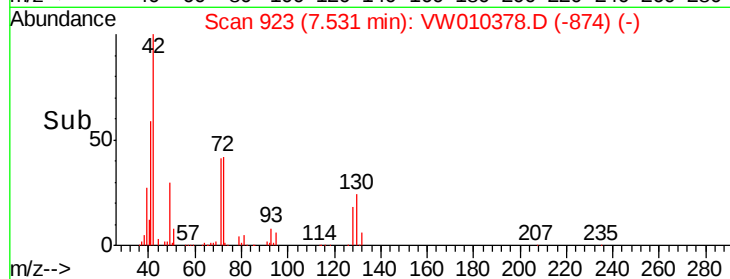
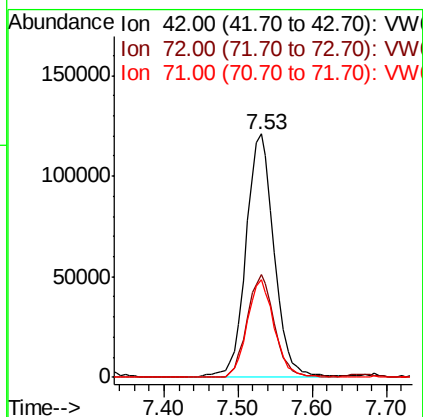
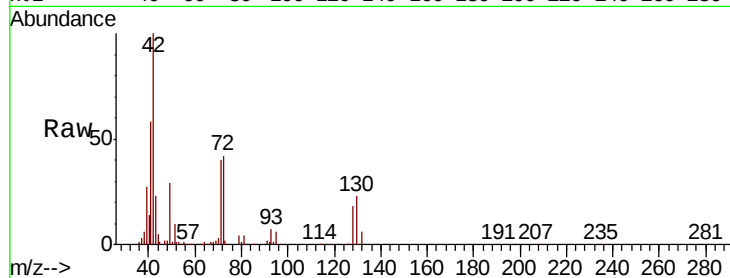




#29
Tetrahydrofuran
Concen: 82.400 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

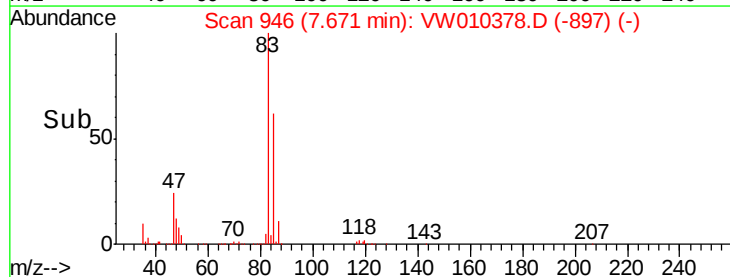
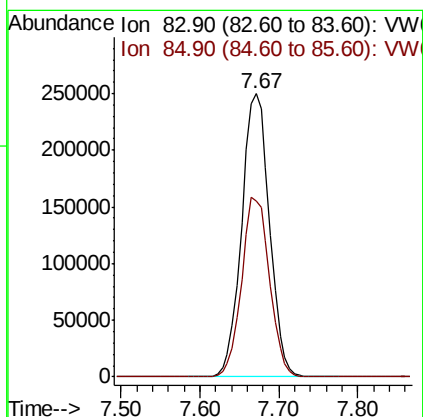
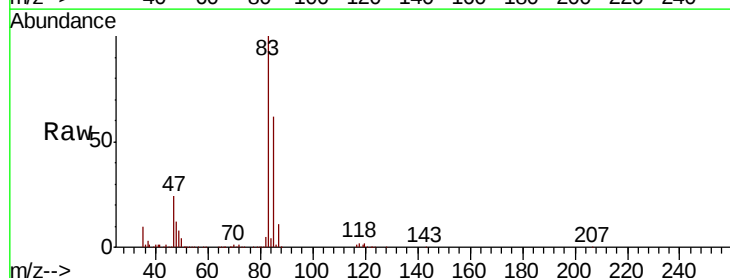
Instrument :
MSVOA_W
ClientSampleId :

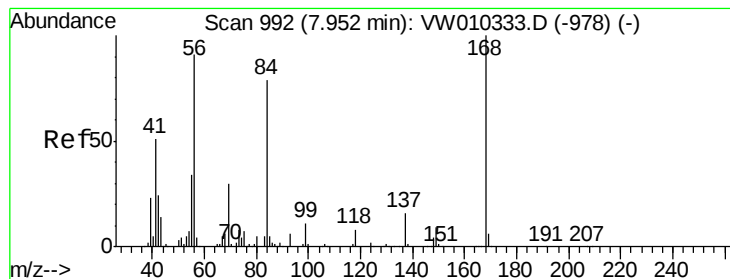
Tot Ion: 42 Resp: 318601
Ion Ratio Lower Upper
42 100
72 41.5 31.0 46.6
71 39.1 29.7 44.5



#30
Chloroform
Concen: 21.822 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 83 Resp: 612409
Ion Ratio Lower Upper
83 100
85 62.1 50.7 76.1





#31

Cyclohexane

Concen: 20.312 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

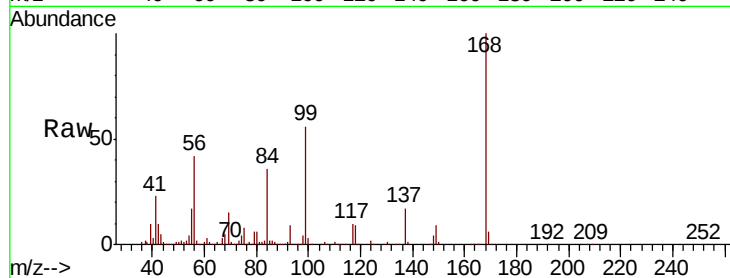
Tot Ion: 56 Resp: 623643

Ion Ratio Lower Upper

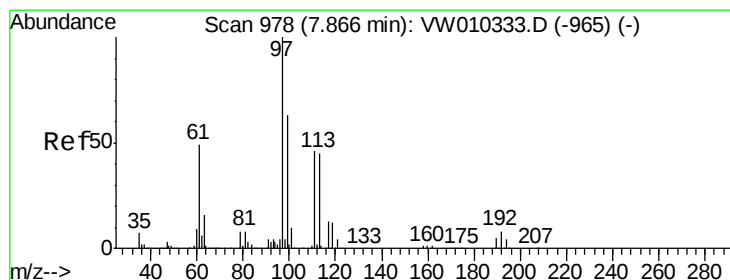
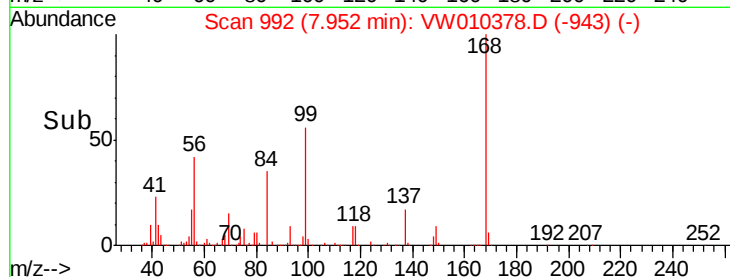
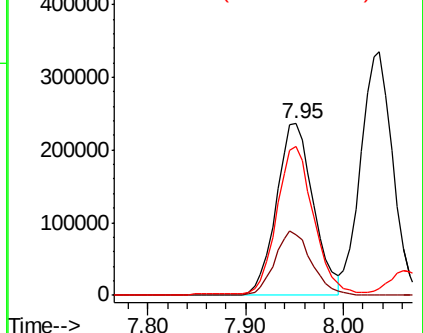
56 100

69 35.0 26.6 40.0

84 86.8 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 21.046 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

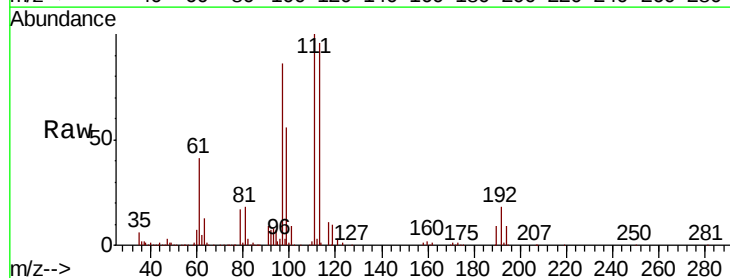
Tgt Ion: 97 Resp: 457490

Ion Ratio Lower Upper

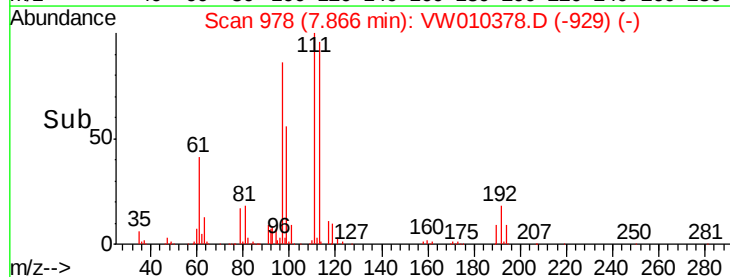
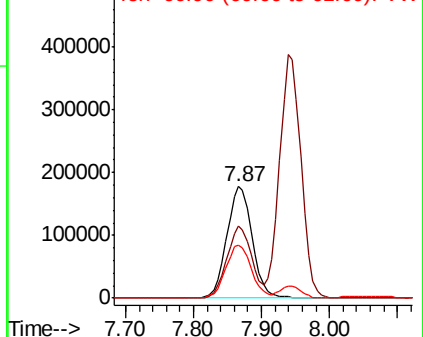
97 100

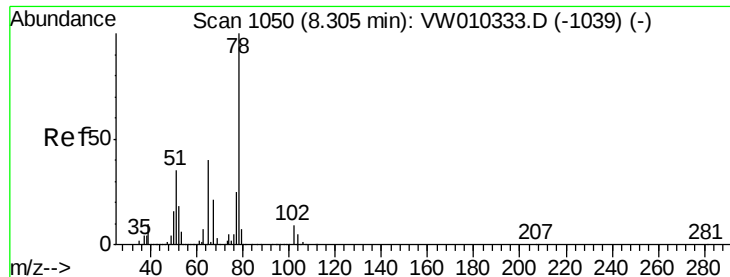
99 63.1 50.2 75.2

61 47.9 38.2 57.2



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





#33

1,2-Dichloroethane-d4

Concen: 52.148 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

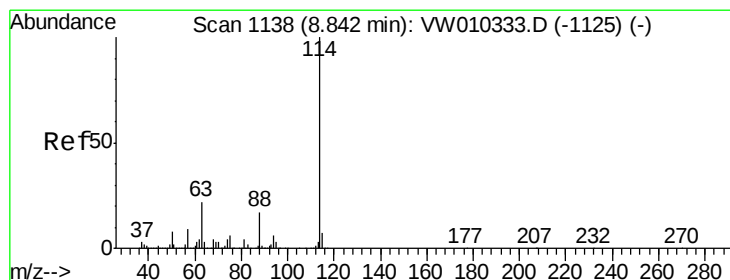
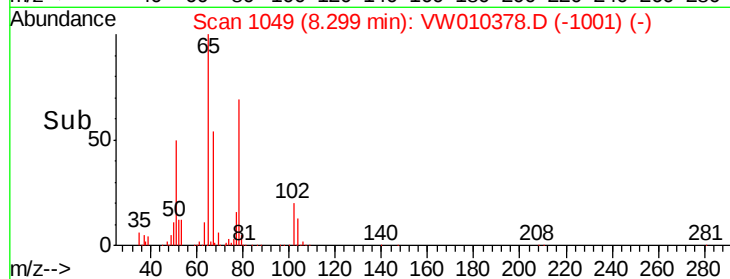
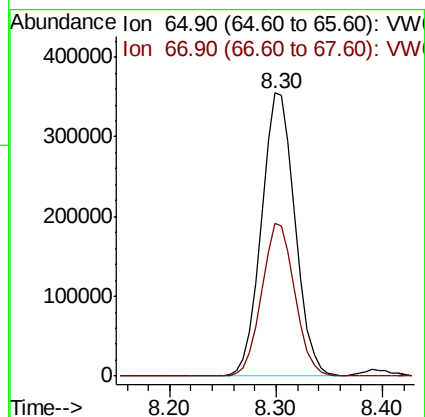
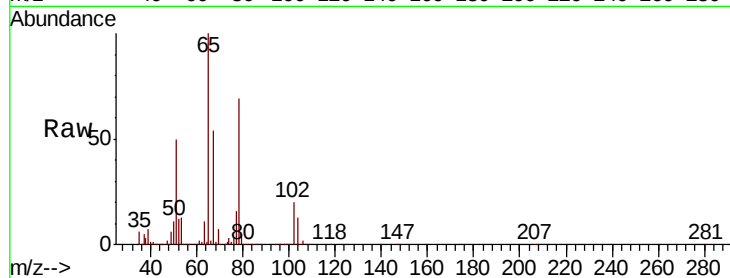
ClientSampled :

Tot Ion: 65 Resp: 781665

Ion Ratio Lower Upper

65 100

67 53.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

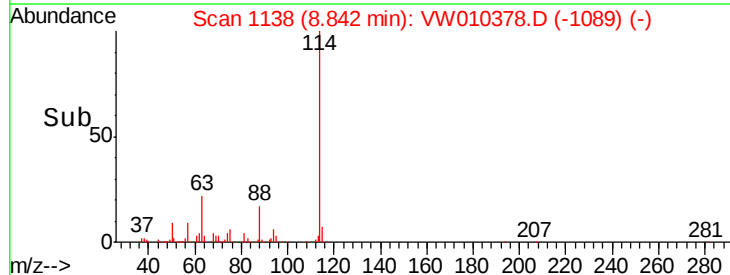
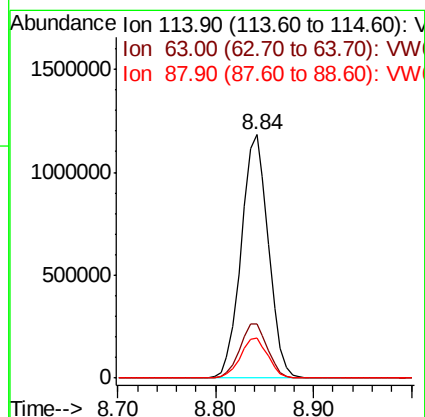
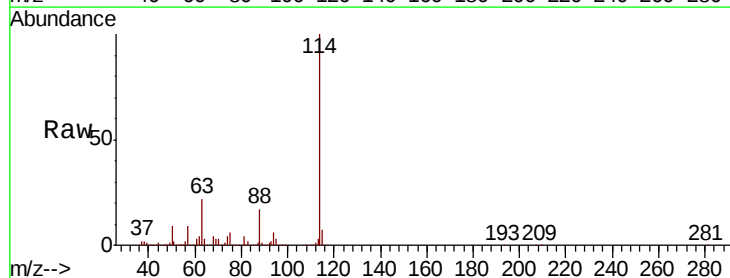
Tgt Ion: 114 Resp: 2273513

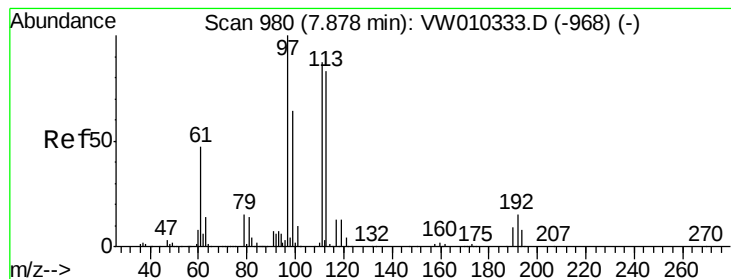
Ion Ratio Lower Upper

114 100

63 22.1 0.0 46.2

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.463 ug/l

RT: 7.88 min Scan# 980

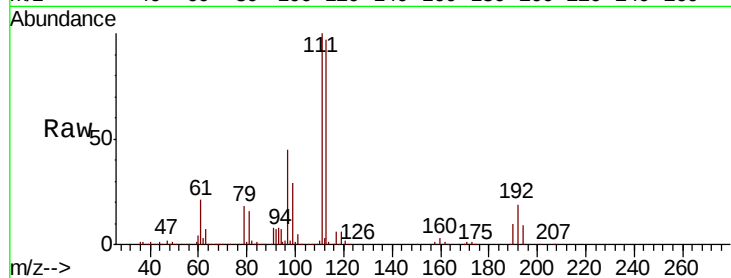
Delta R.T. -0.00 min

Lab File: VW010378.D

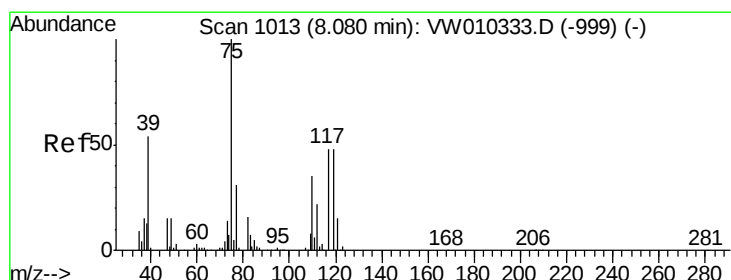
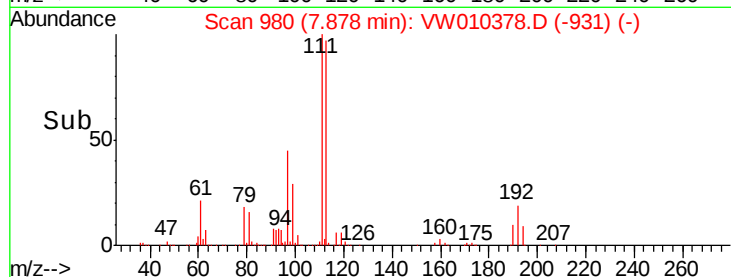
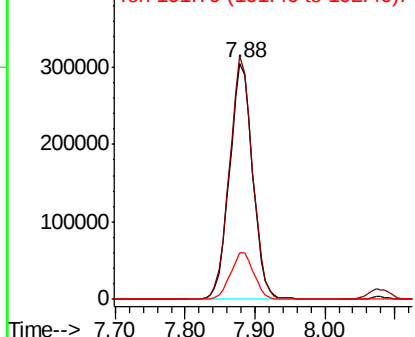
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:113	Resp:	697987
Ion	Ratio	Lower Upper
113	100	
111	102.4	82.6 123.8
192	20.0	15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.704 ug/l

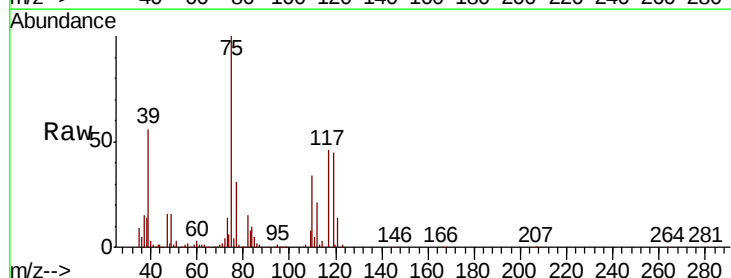
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

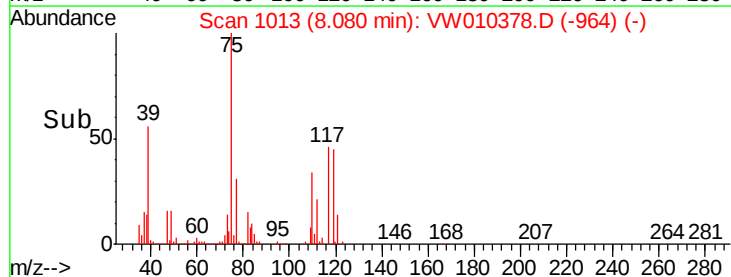
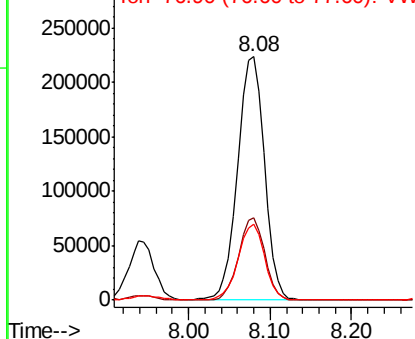
Lab File: VW010378.D

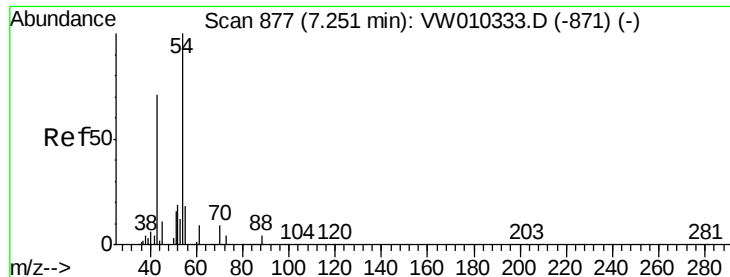
Acq: 11 May 2019 13:47

Tgt Ion: 75	Resp:	510367
Ion	Ratio	Lower Upper
75	100	
110	32.7	16.6 49.8
77	30.7	24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

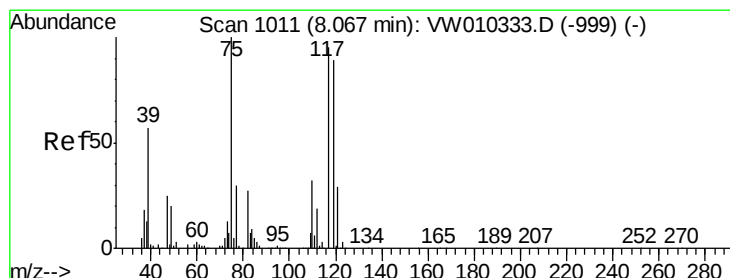
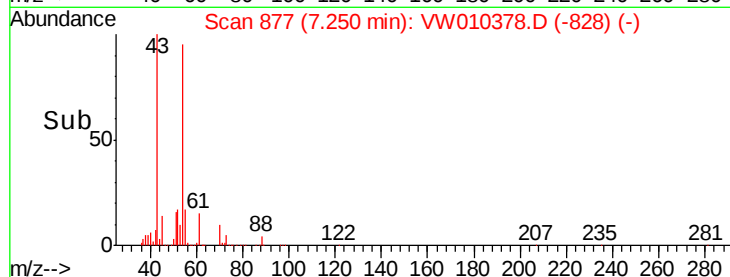
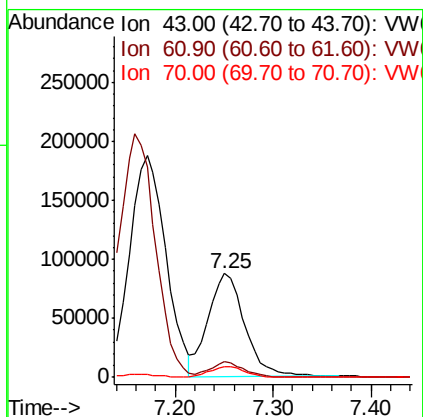
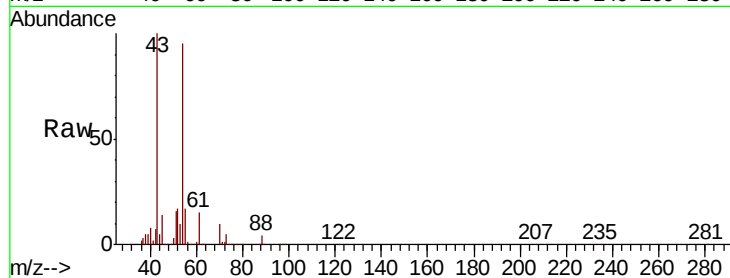




#37
Ethyl Acetate
Concen: 17.239 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

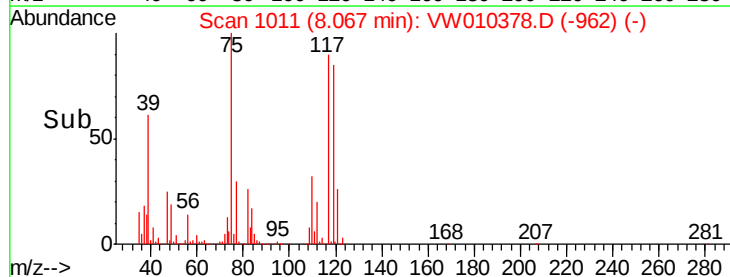
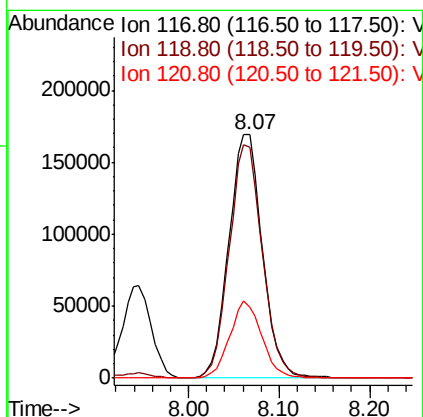
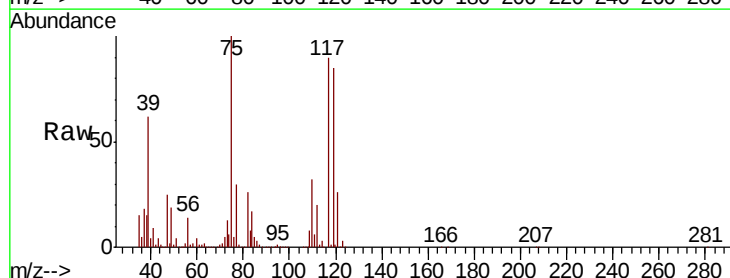
Instrument :
MSVOA_W
ClientSampleId :

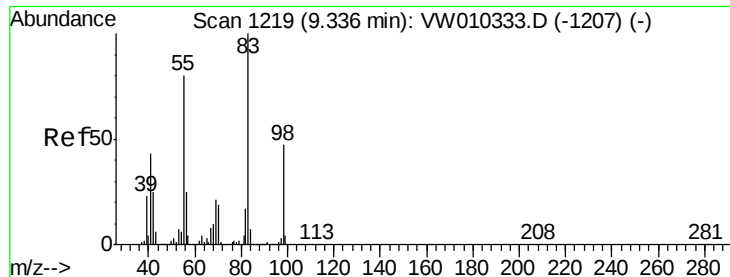
Tot Ion: 43 Resp: 226259
Ion Ratio Lower Upper
43 100
61 13.9 9.8 14.8
70 10.0 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.539 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 117 Resp: 434004
Ion Ratio Lower Upper
117 100
119 94.6 75.3 112.9
121 29.2 24.4 36.6

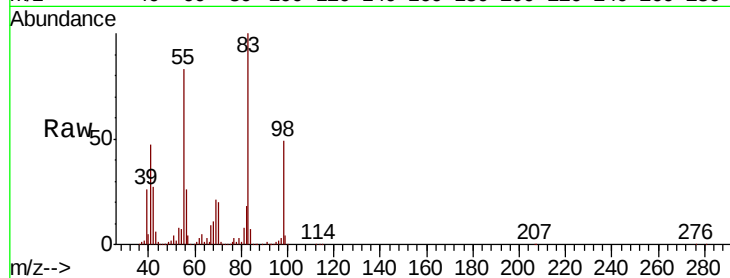




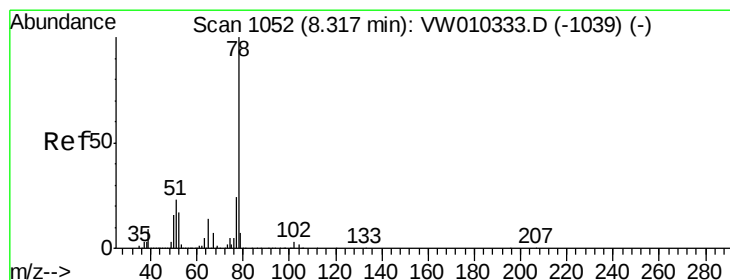
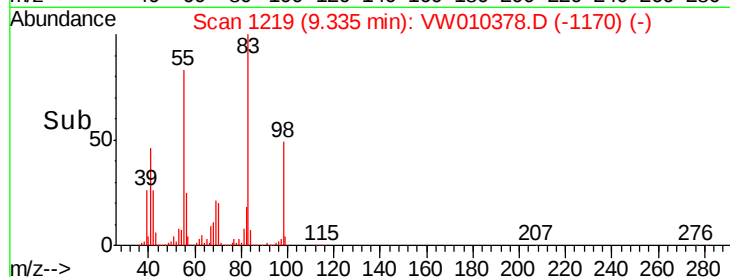
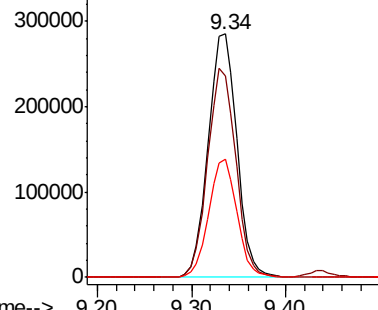
#39
Methvlcvclohexane
Concen: 20.110 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 606441
Ion Ratio Lower Upper
83 100
55 82.9 67.1 100.7
98 48.8 39.2 58.8

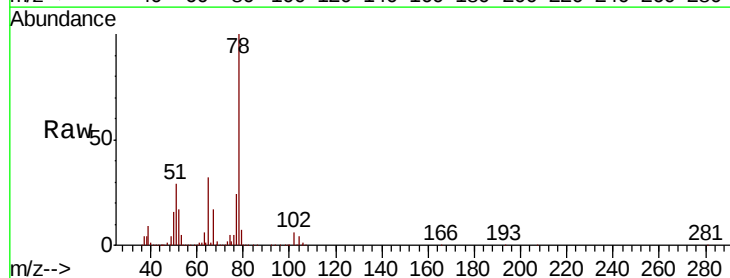


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

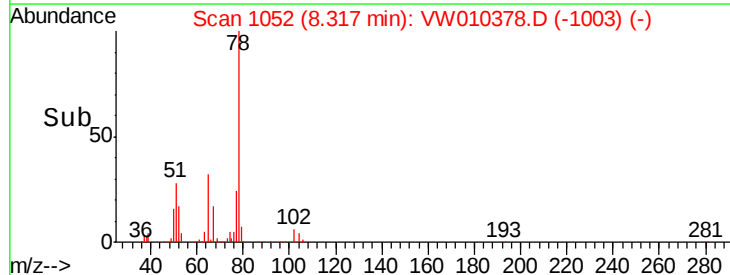
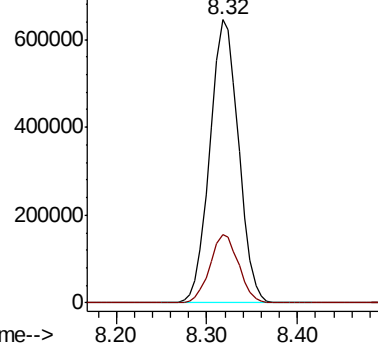


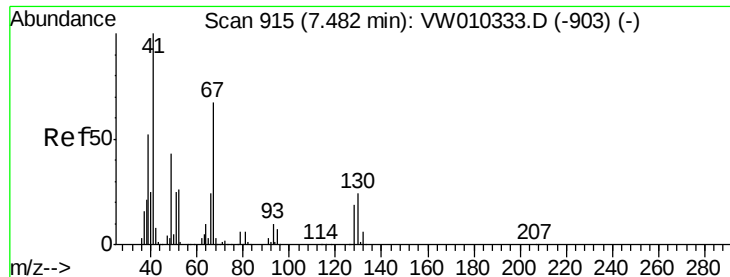
#40
Benzene
Concen: 20.969 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 78 Resp: 1415617
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7



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

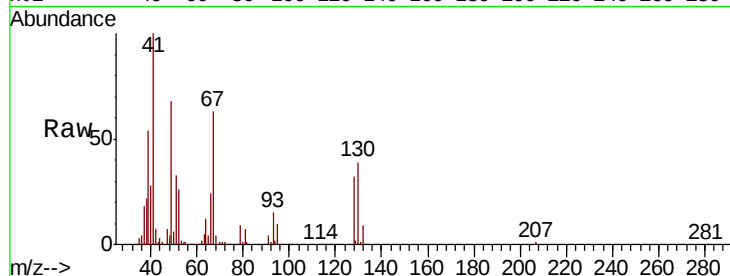




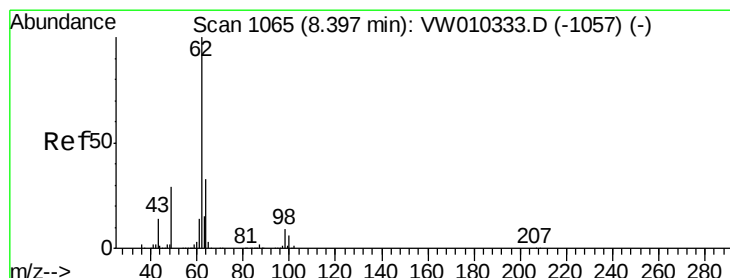
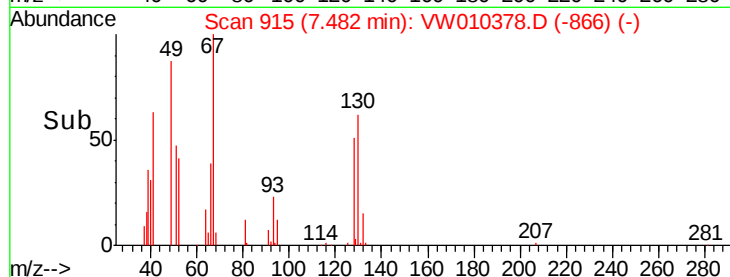
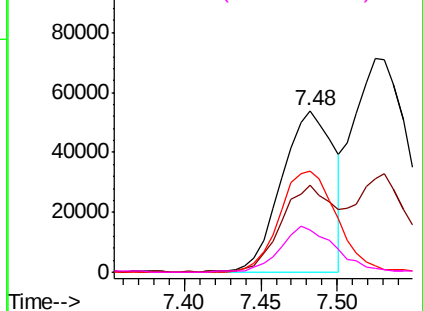
#41
Methacrylonitrile
Concen: 17.373 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	127881
Ion	Ratio	Lower	Upper
41	100		
39	54.1	45.0	67.4
67	69.7	50.7	76.1
52	30.8	22.6	33.8

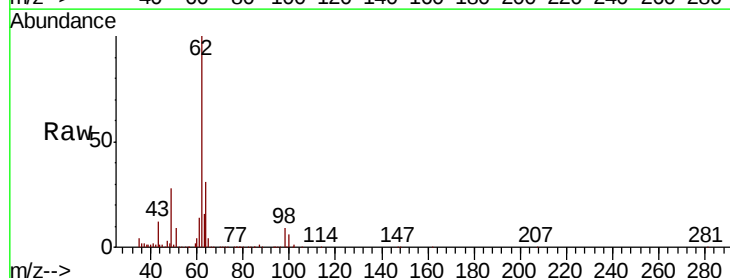


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

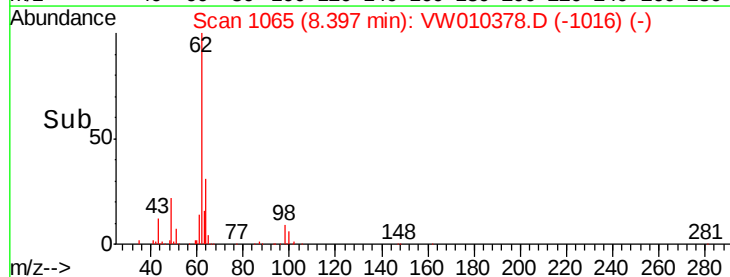
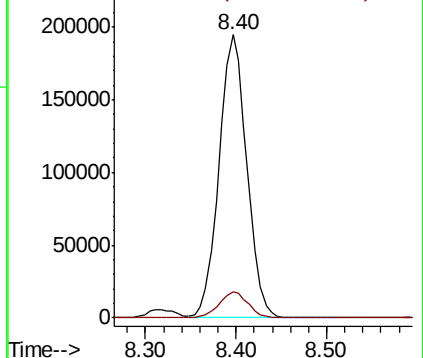


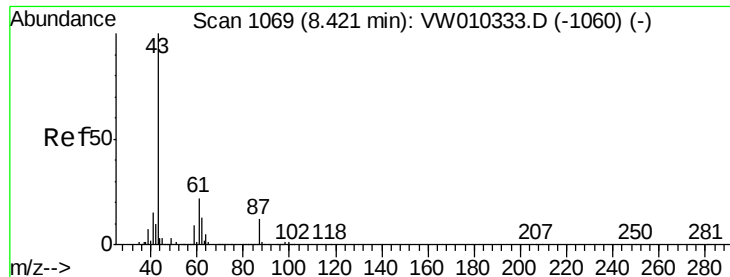
#42
1,2-Dichloroethane
Concen: 21.456 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:	62	Resp:	414621
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 18.420 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampled :

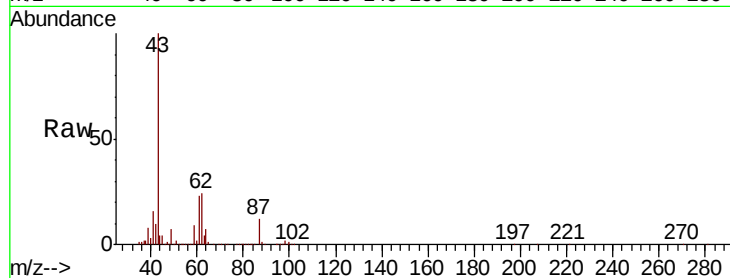
Tot Ion: 43 Resp: 400967

Ion Ratio Lower Upper

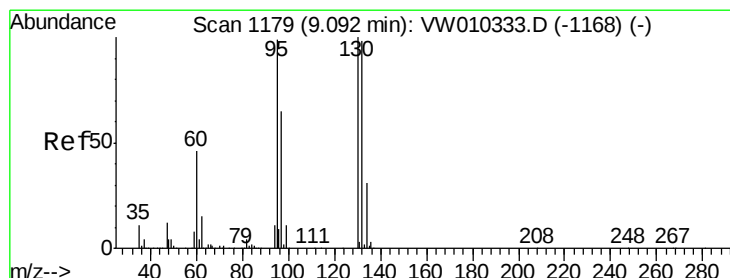
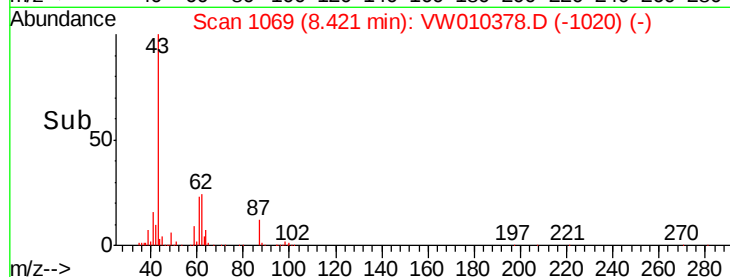
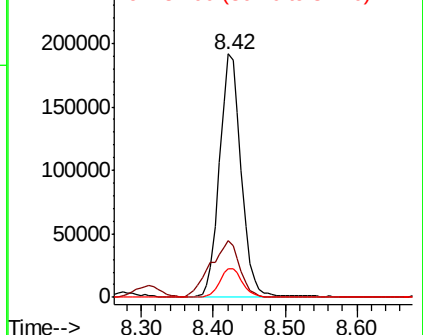
43 100

61 31.2 23.0 34.6

87 12.2 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: 20.605 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010378.D

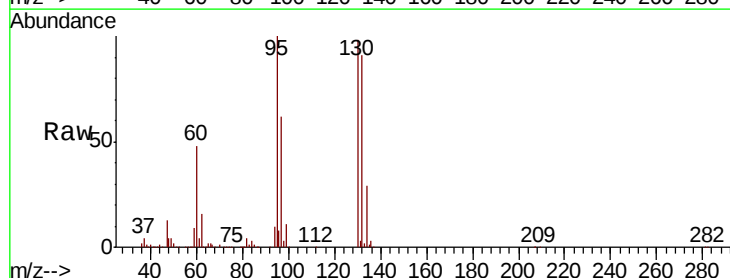
Acq: 11 May 2019 13:47

Tgt Ion: 130 Resp: 348253

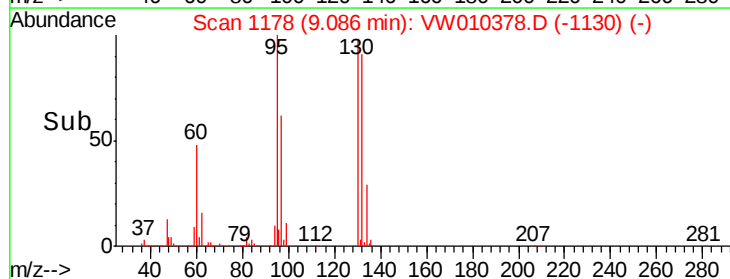
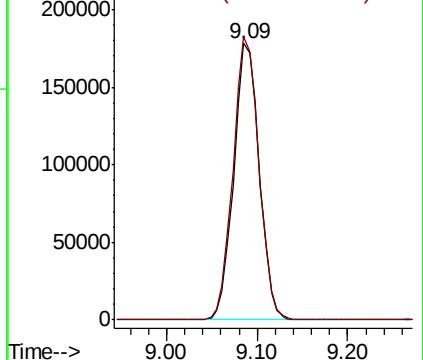
Ion Ratio Lower Upper

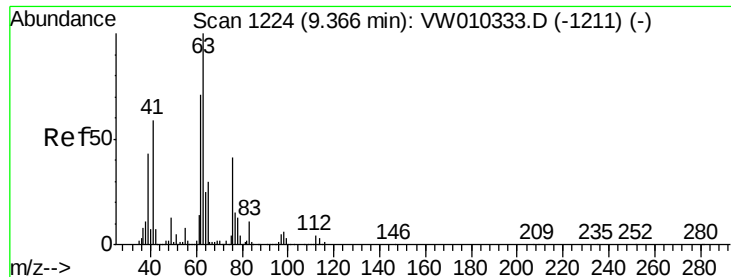
130 100

95 102.3 0.0 205.4



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

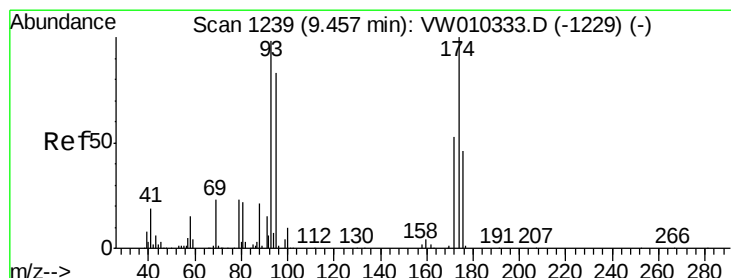
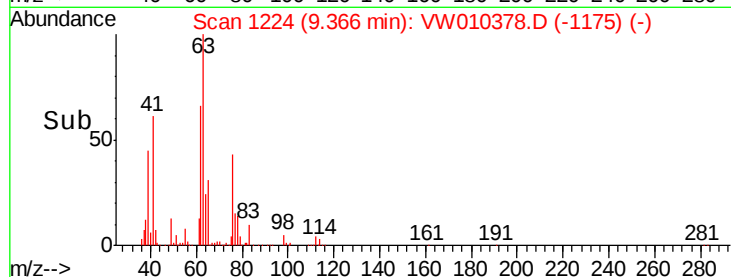
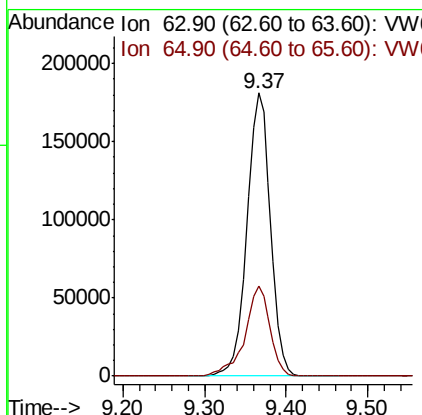
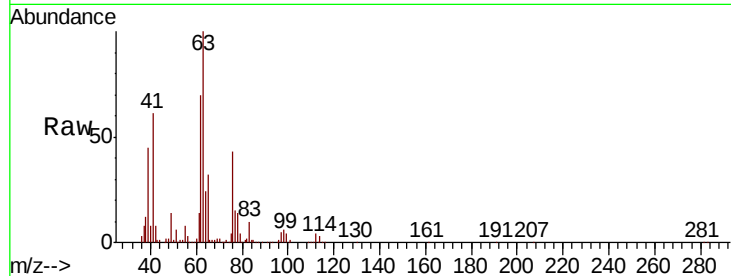




#45
 1,2-Dichloropropane
 Concen: 21.638 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

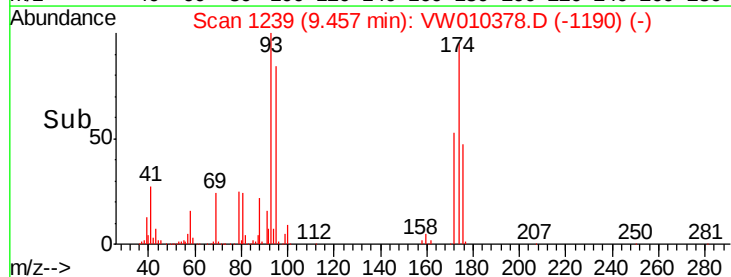
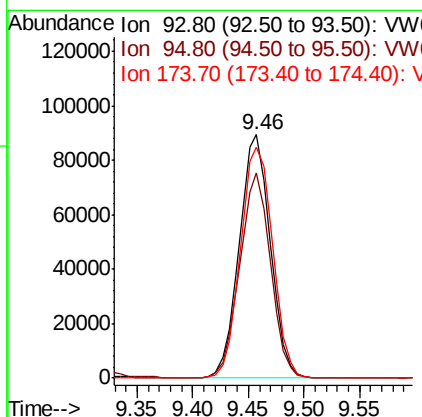
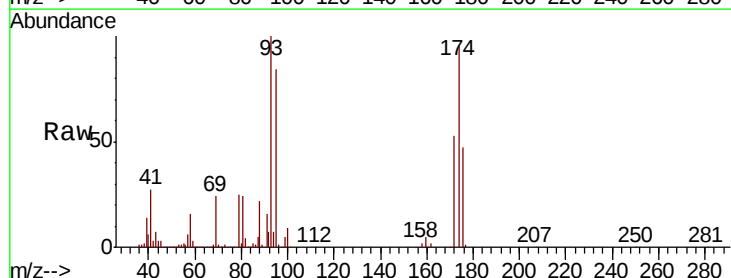
Instrument :
 MSVOA_W
 ClientSampleId :

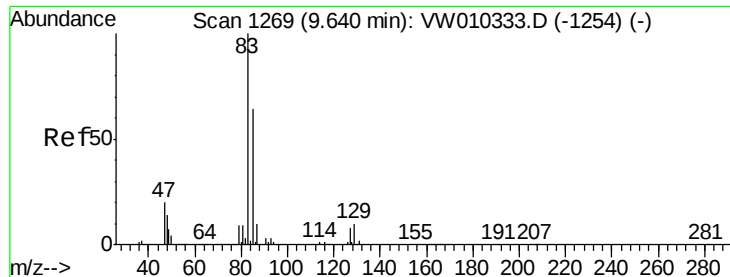
Tot Ion: 63 Resp: 363107
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.8 35.6



#46
 Dibromomethane
 Concen: 20.032 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion: 93 Resp: 173666
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.8 98.8
 174 98.5 75.5 113.3

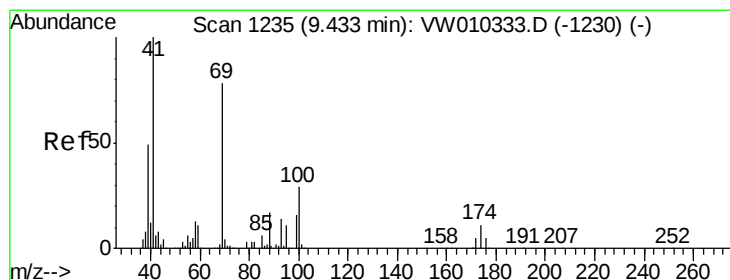
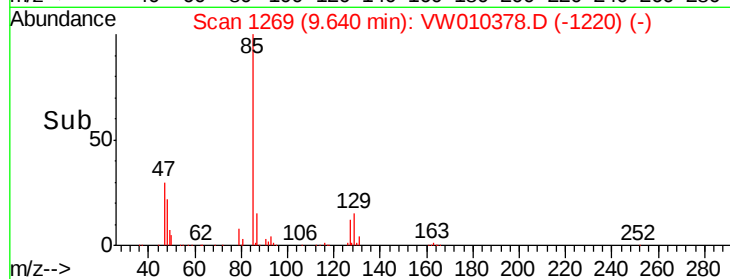
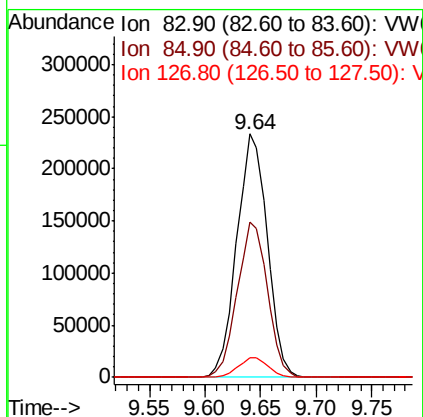
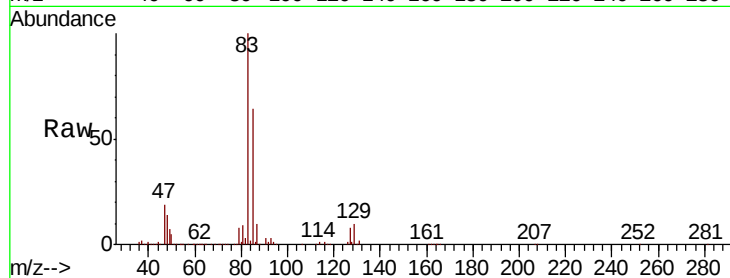




#47
Bromodichloromethane
Concen: 21.369 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

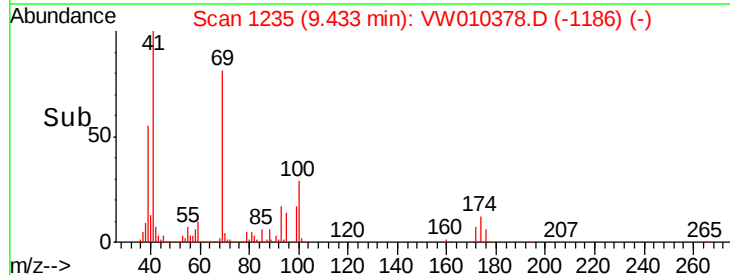
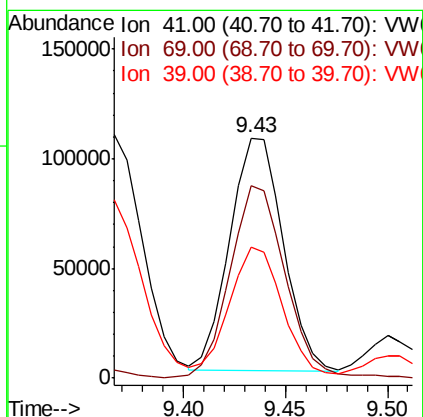
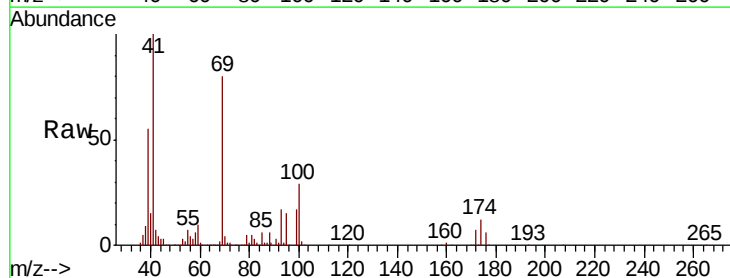
Instrument :
MSVOA_W
ClientSampled :

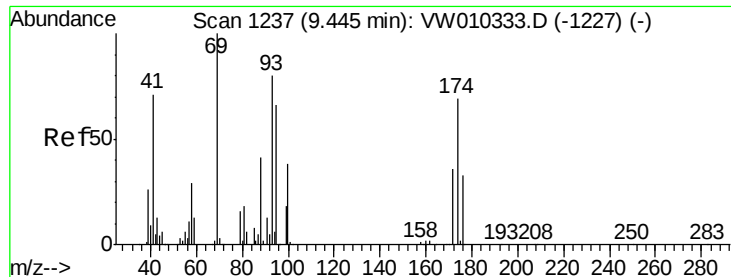
Tot Ion	83	Resp	444385
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.6	75.8
127	7.8	6.6	10.0



#48
Methyl methacrylate
Concen: 18.744 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion	41	Resp	192920
Ion Ratio	Lower	Upper	
41	100		
69	85.3	60.1	90.1
39	52.7	51.0	76.6





#49

1,4-Dioxane

Concen: 312.260 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

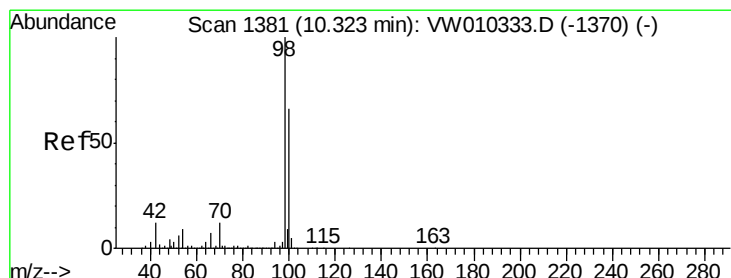
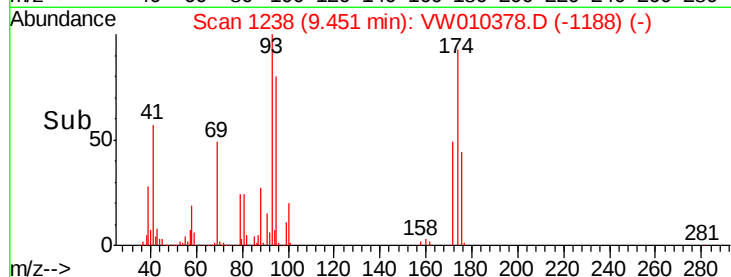
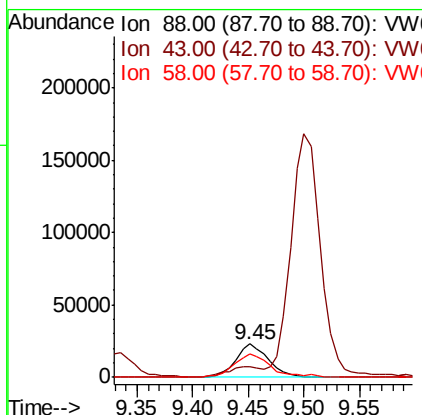
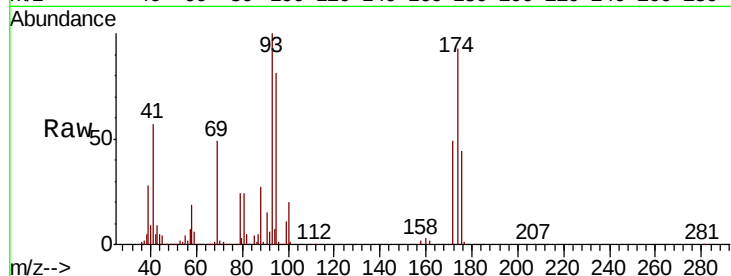
Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 47209

Ion	Ratio	Lower	Upper
88	100		
43	31.2	31.9	47.9#
58	80.1	61.8	92.6



#50

Toluene-d8

Concen: 51.823 ug/l

RT: 10.32 min Scan# 1381

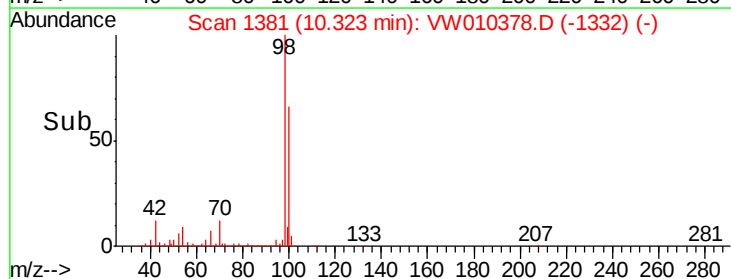
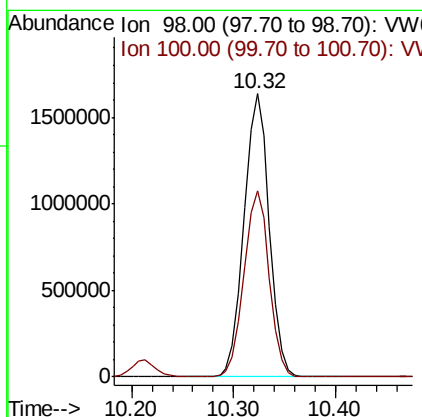
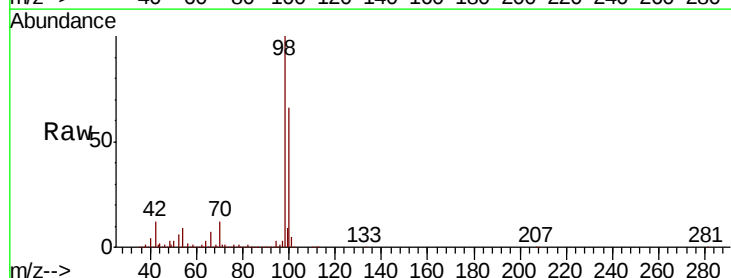
Delta R.T. -0.00 min

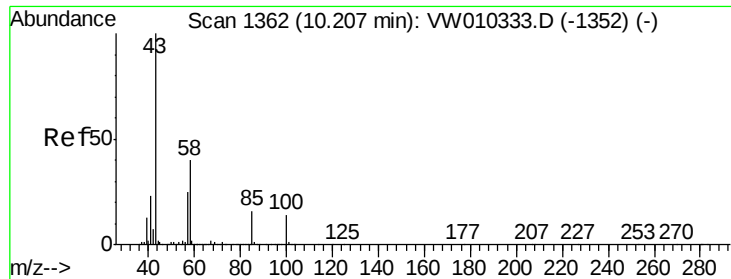
Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion: 98 Resp: 2807546

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.3	78.5

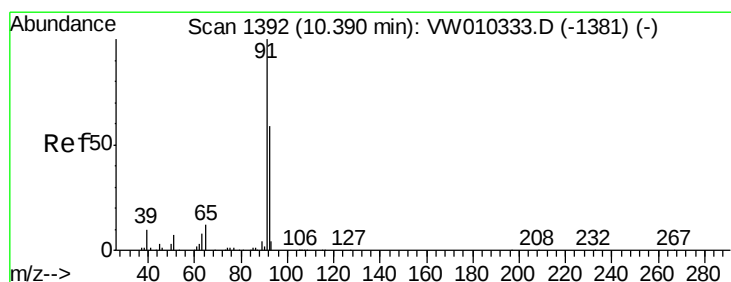
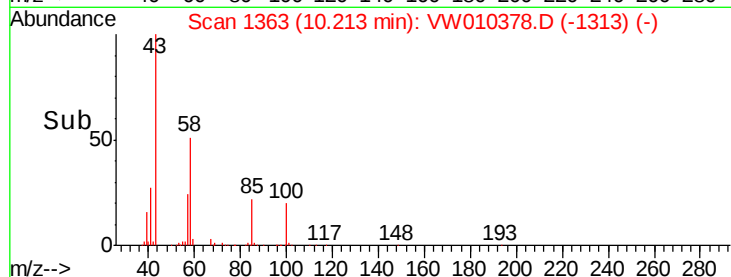
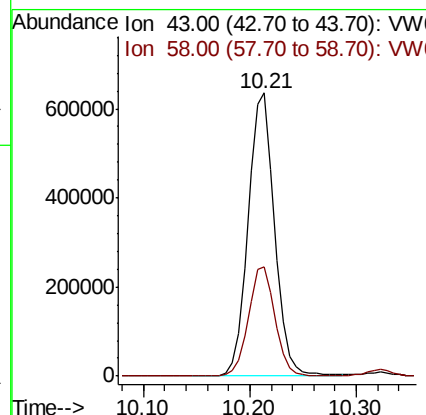
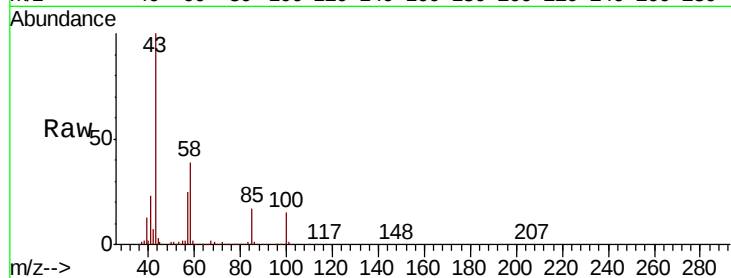




#51
4-Methyl-2-Pentanone
Concen: 88.839 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

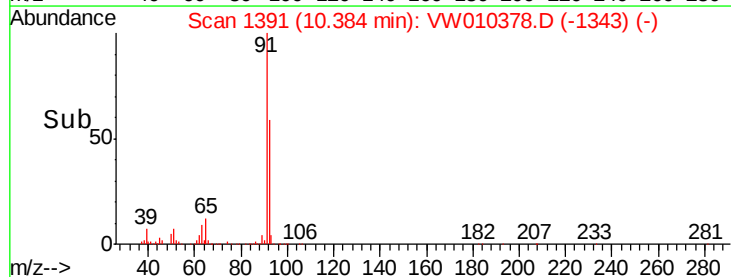
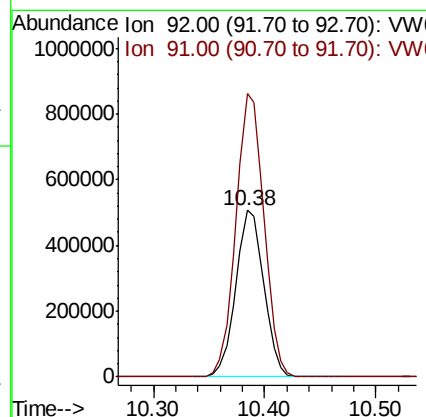
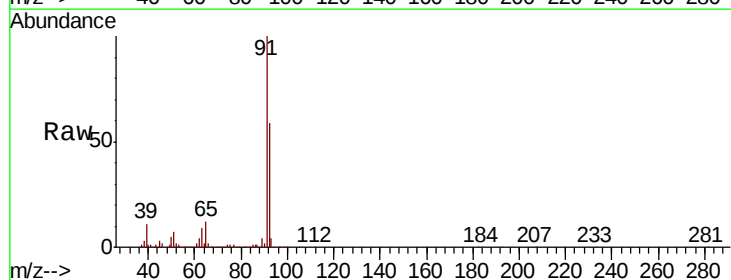
Instrument :
MSVOA_W
ClientSampled :

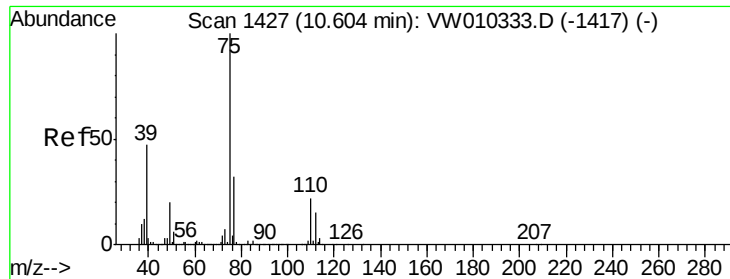
Tot Ion: 43 Resp: 1108861
Ion Ratio Lower Upper
43 100
58 38.8 28.9 43.3



#52
Toluene
Concen: 21.352 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 92 Resp: 881045
Ion Ratio Lower Upper
92 100
91 171.0 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 20.984 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

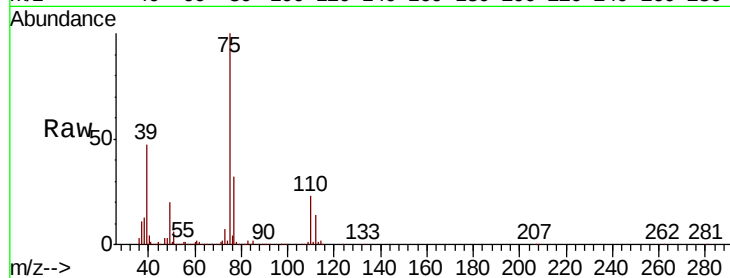
ClientSampleId :

Tot Ion: 75 Resp: 442015

Ion Ratio Lower Upper

75 100

77 31.9 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

250000

200000

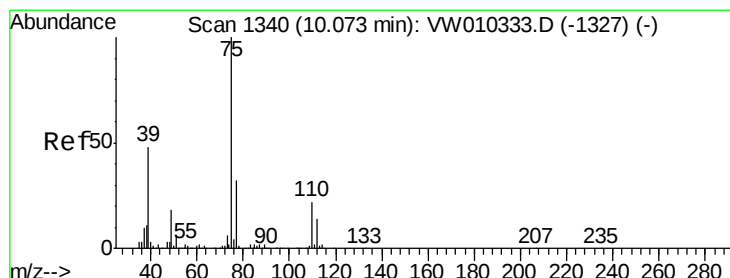
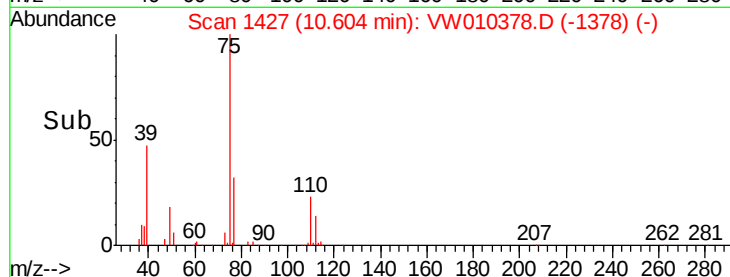
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.295 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

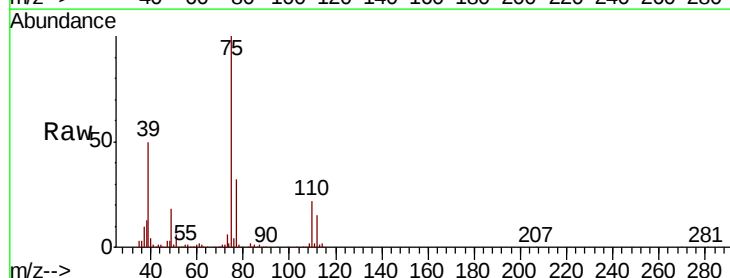
Tgt Ion: 75 Resp: 531223

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 49.7 47.8 71.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

400000

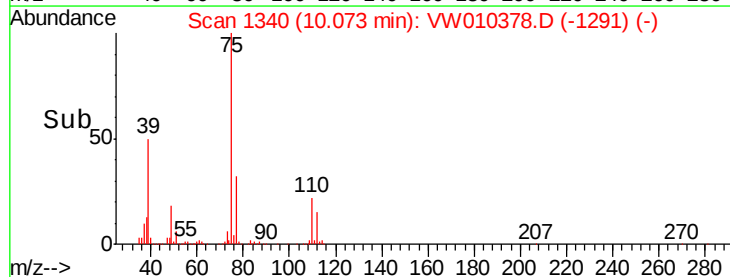
300000

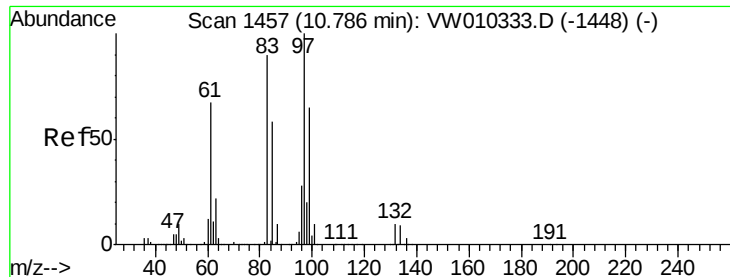
200000

100000

0

Time-->

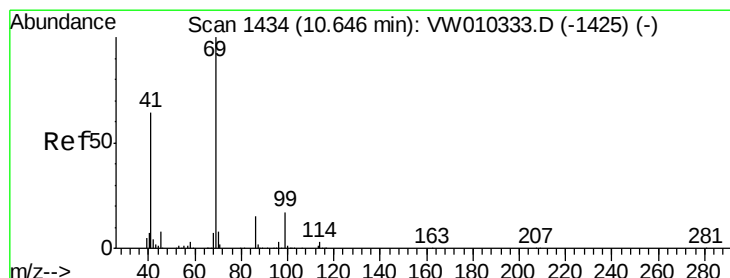
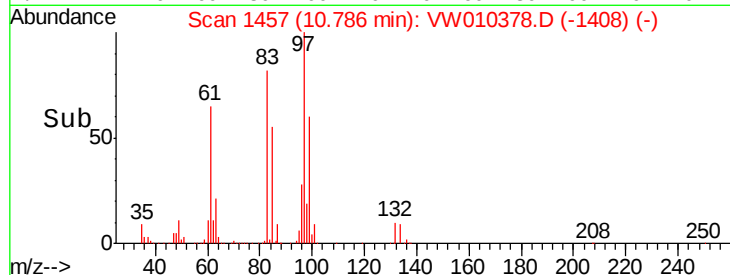
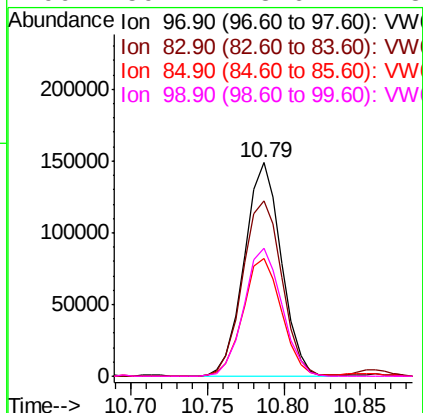
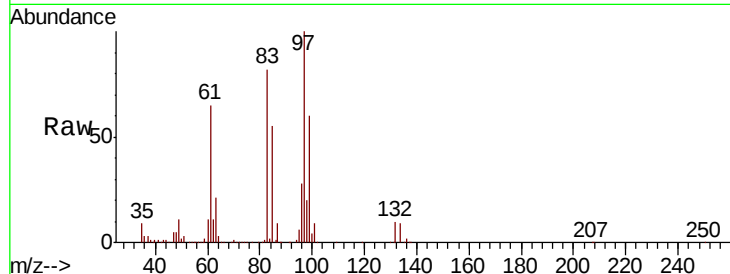




#55
 1,1,2-Trichloroethane
 Concen: 20.444 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

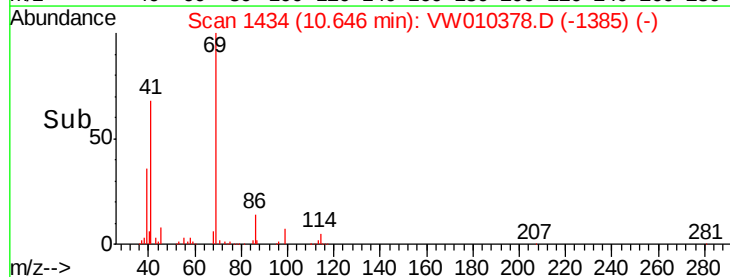
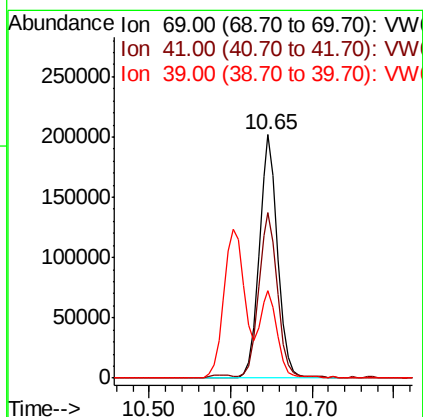
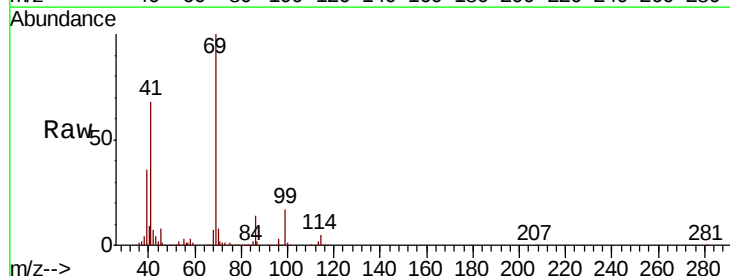
Instrument :
 MSVOA_W
 ClientSampleId :

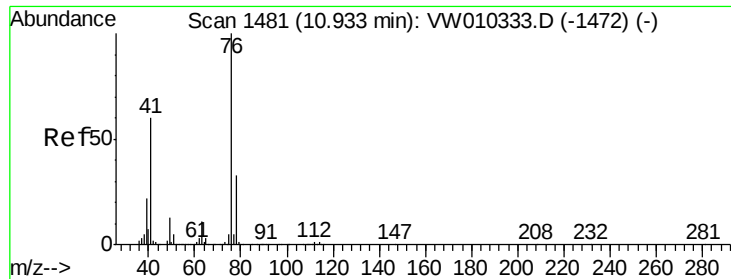
Tot Ion:	97	Resp:	251731
Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.9	103.3
85	55.0	42.9	64.3
99	59.7	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 19.690 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion:	69	Resp:	320162
Ion	Ratio	Lower	Upper
69	100		
41	68.1	61.0	91.6
39	33.6	33.8	50.6#

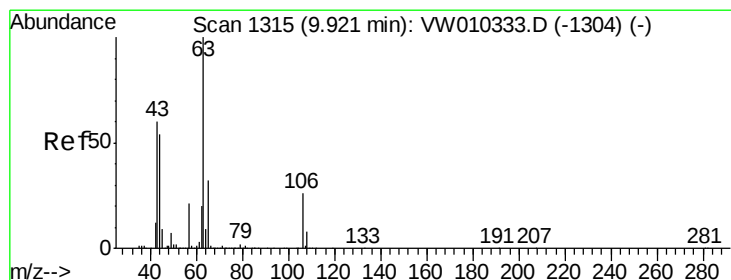
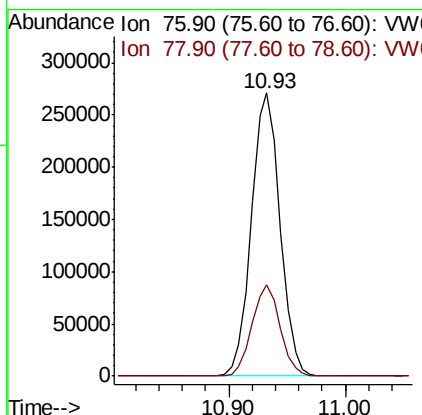
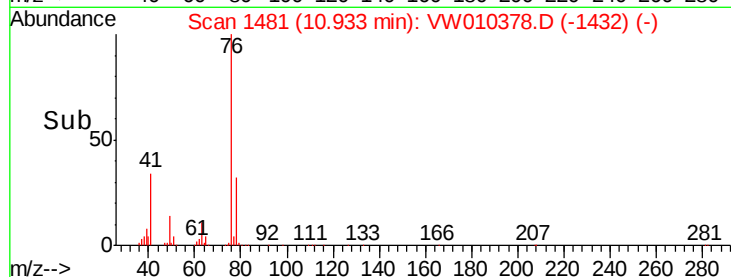
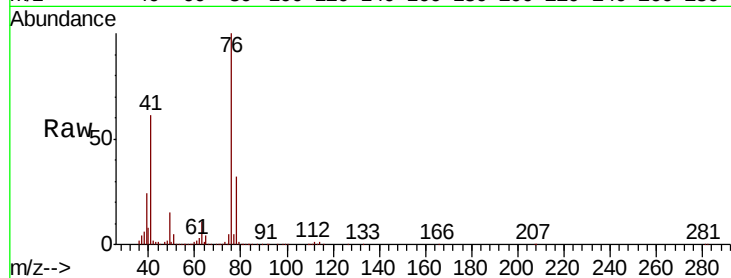




#57
 1,3-Dichloropropane
 Concen: 21.049 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

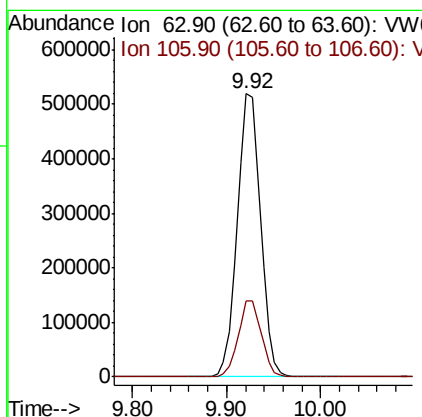
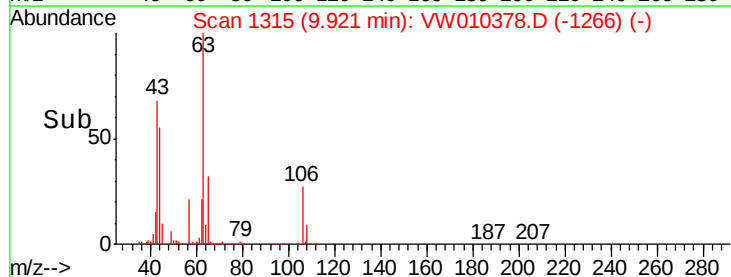
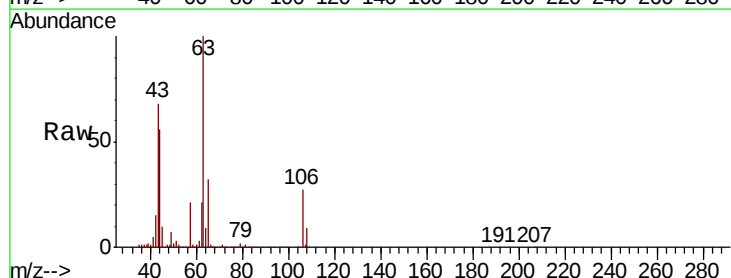
Instrument :
 MSVOA_W
 ClientSampleId :

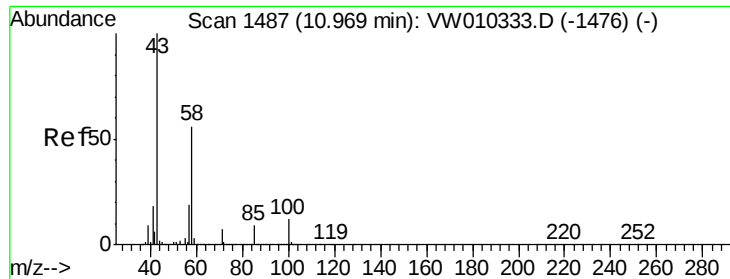
Tot Ion: 76 Resp: 463347
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.014 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion: 63 Resp: 895400
 Ion Ratio Lower Upper
 63 100
 106 26.7 21.4 32.0

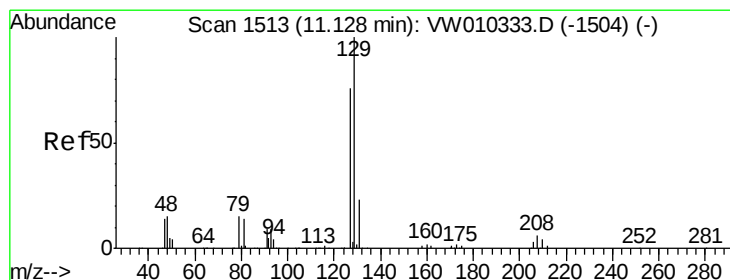
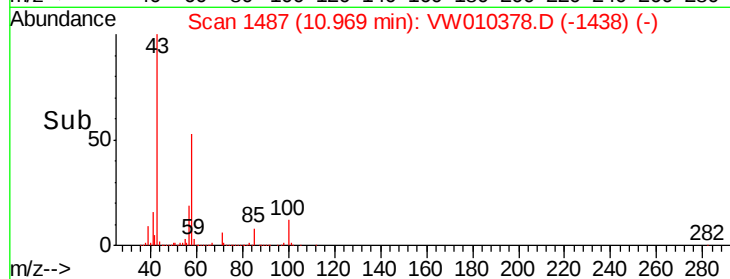
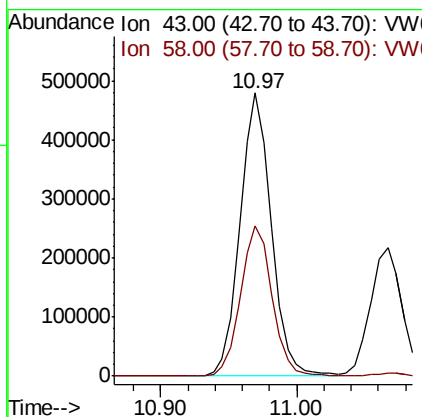
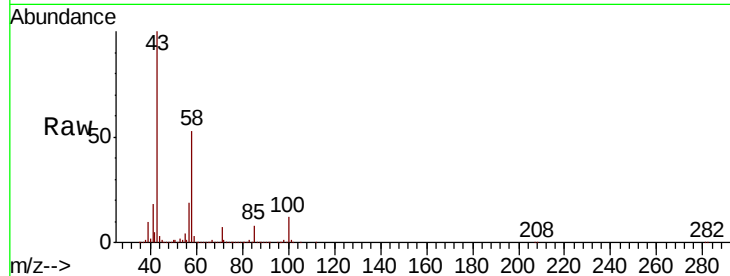




#59
2-Hexanone
Concen: 86.927 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

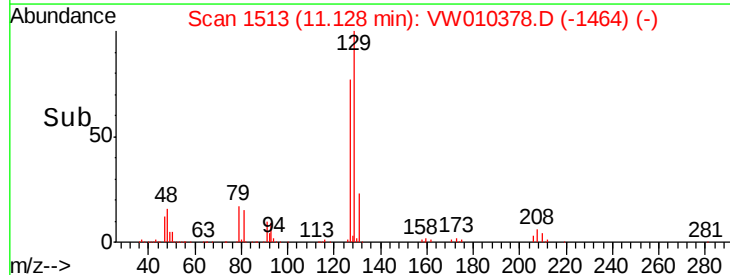
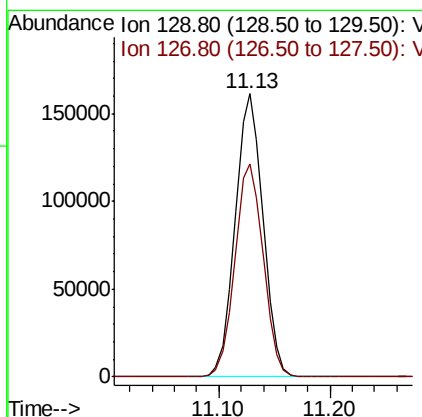
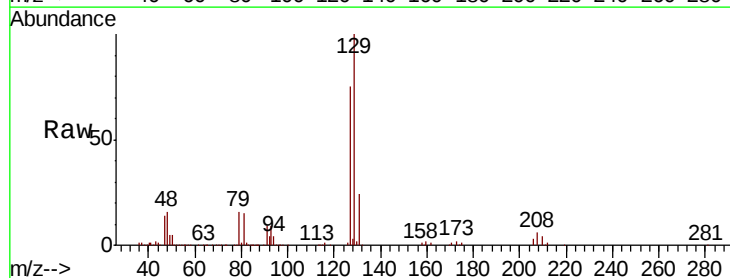
Instrument :
MSVOA_W
ClientSampleId :

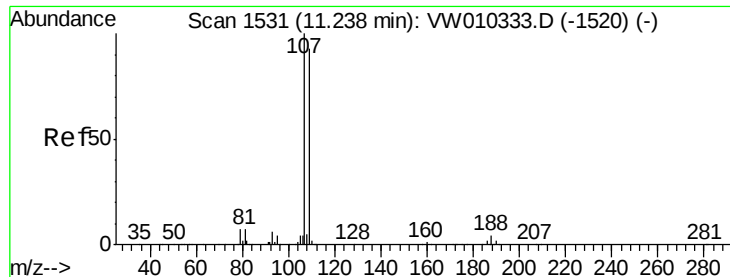
Tot Ion: 43 Resp: 767130
Ion Ratio Lower Upper
43 100
58 53.8 24.9 74.7



#60
Dibromochloromethane
Concen: 21.016 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 129 Resp: 278461
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.714 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

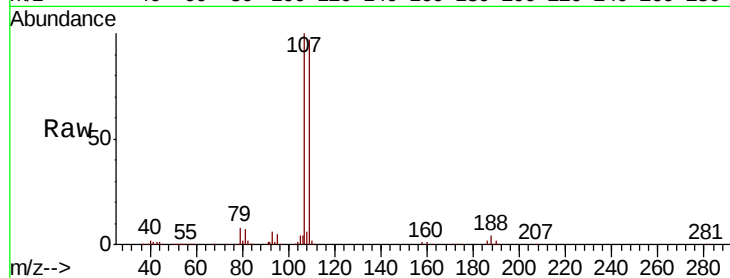
ClientSampled :

Tot Ion:107 Resp: 233024

Ion Ratio Lower Upper

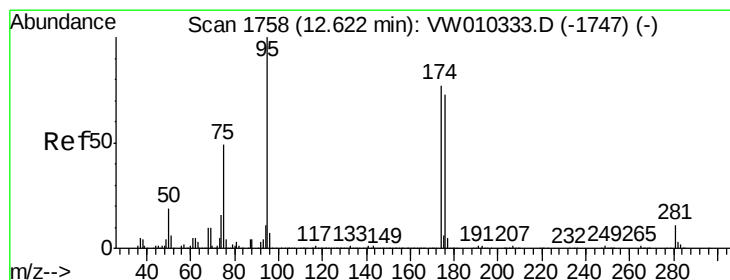
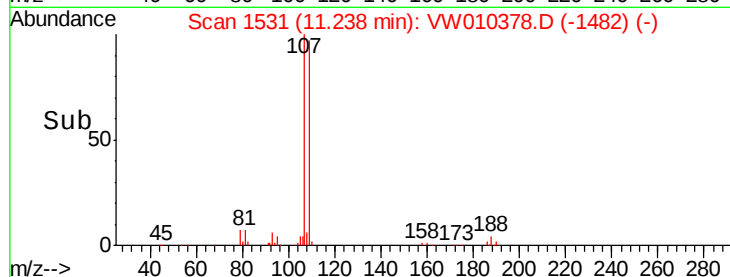
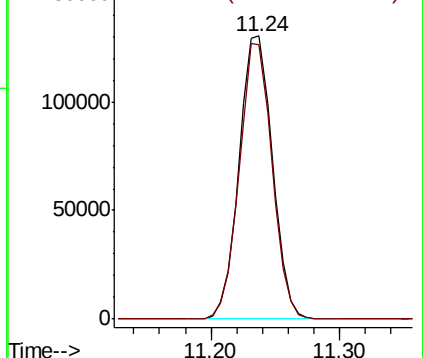
107 100

109 95.9 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.029 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

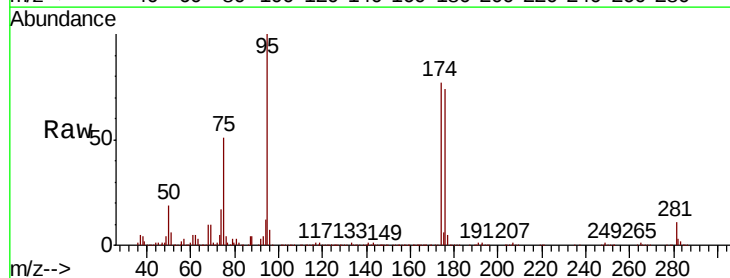
Tgt Ion: 95 Resp: 1011262

Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.4

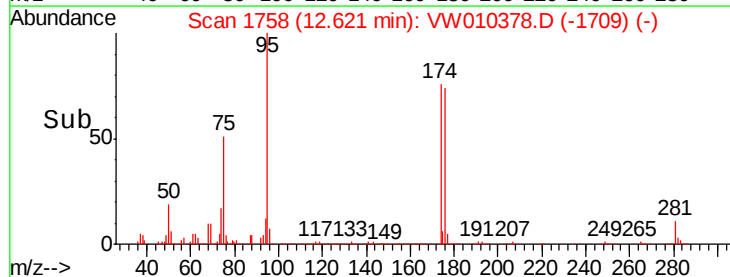
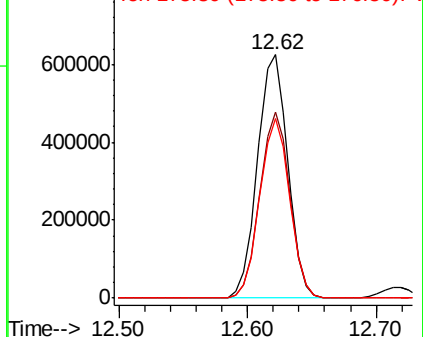
176 73.2 0.0 146.2

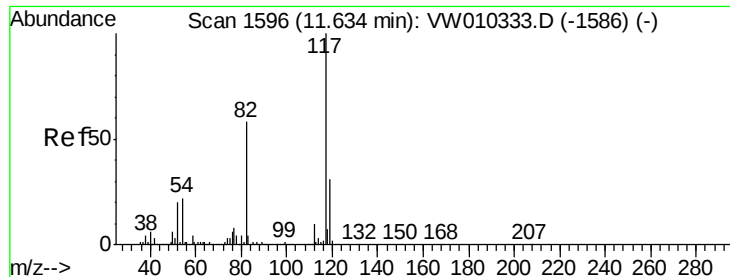


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

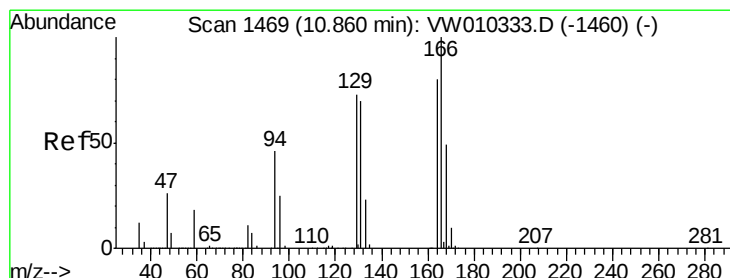
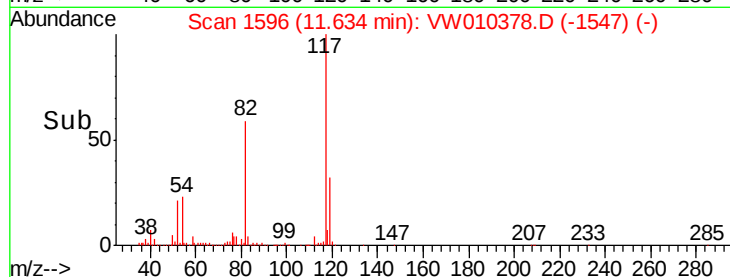
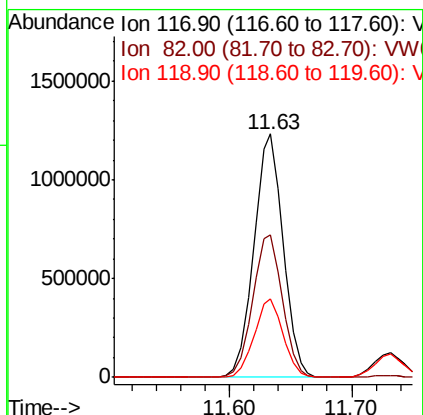
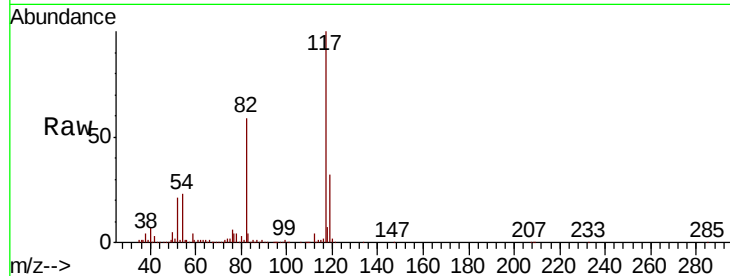




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

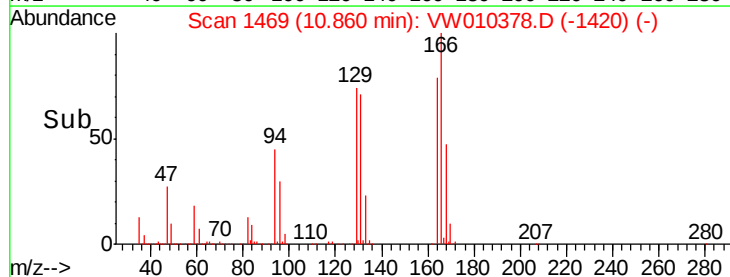
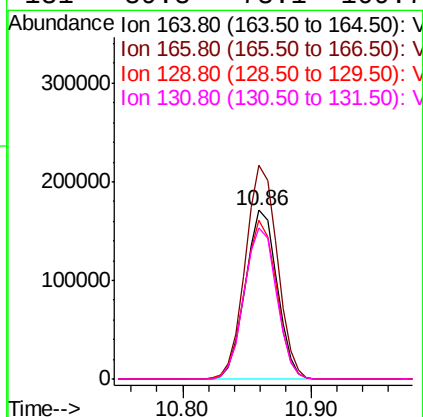
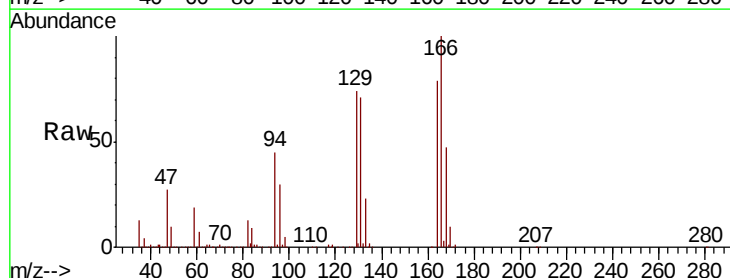
Instrument :
MSVOA_W
ClientSampleId :

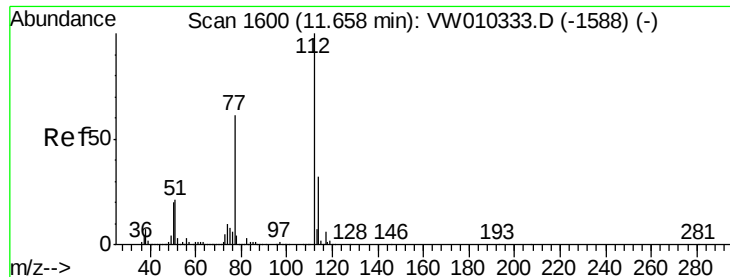
Tot Ion:117 Resp: 2049785
Ion Ratio Lower Upper
117 100
82 58.7 45.2 67.8
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 20.324 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:164 Resp: 291171
Ion Ratio Lower Upper
164 100
166 126.5 101.2 151.8
129 93.8 77.8 116.6
131 89.8 73.1 109.7

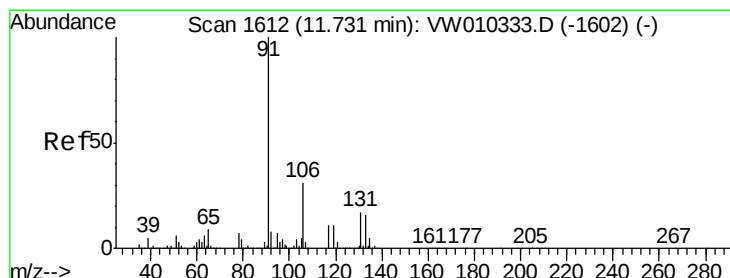
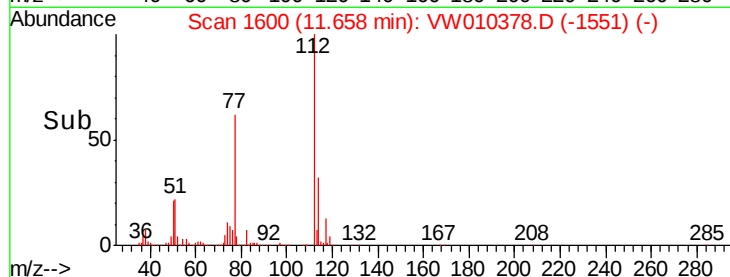
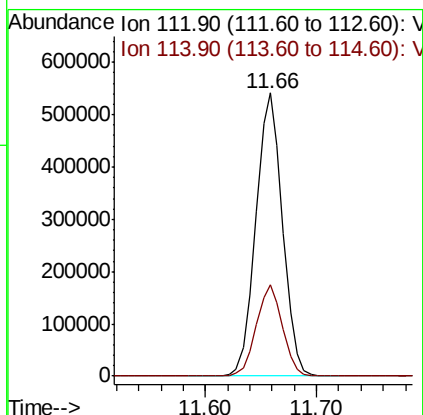
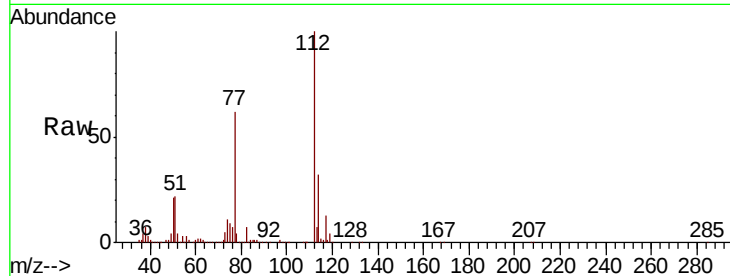




#65
Chlorobenzene
Concen: 21.167 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

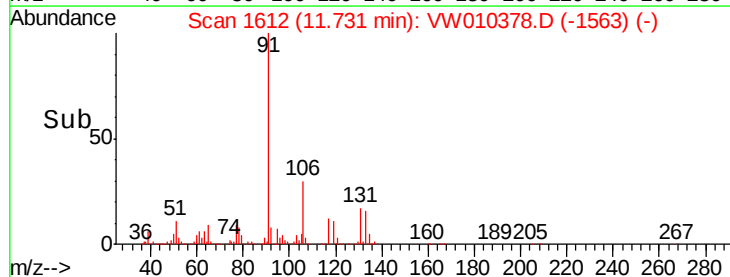
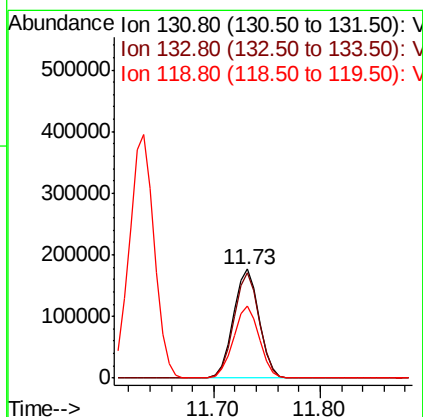
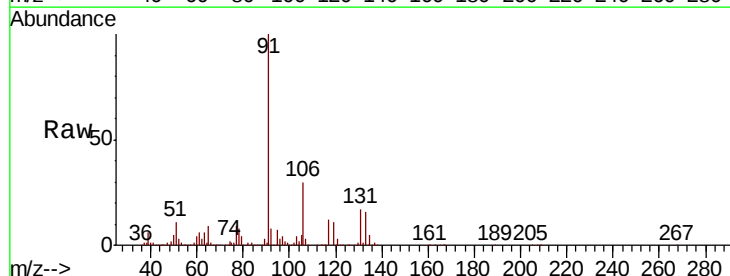
Instrument :
MSVOA_W
ClientSampleId :

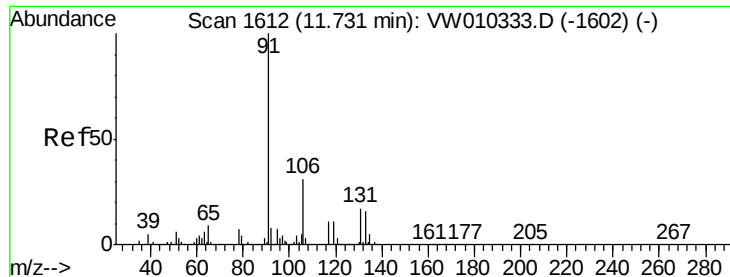
Tot Ion:112 Resp: 898164
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.031 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:131 Resp: 301619
Ion Ratio Lower Upper
131 100
133 94.8 46.5 139.5
119 65.8 31.9 95.5

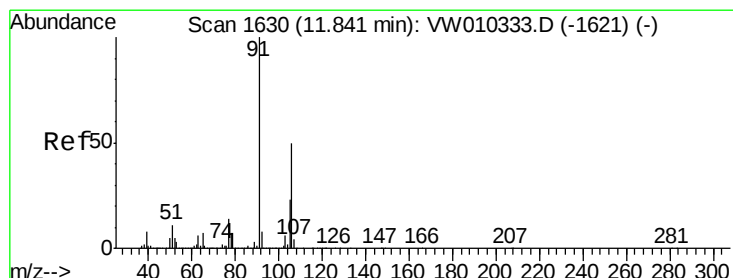
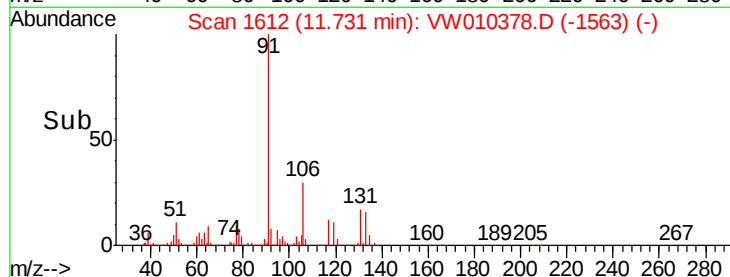
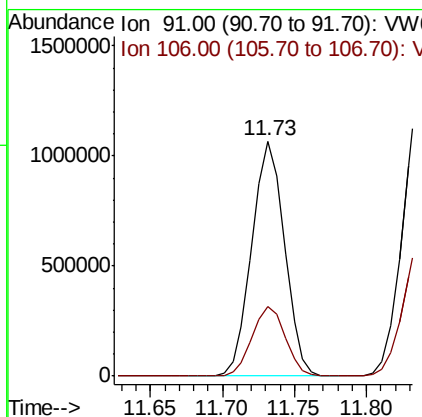
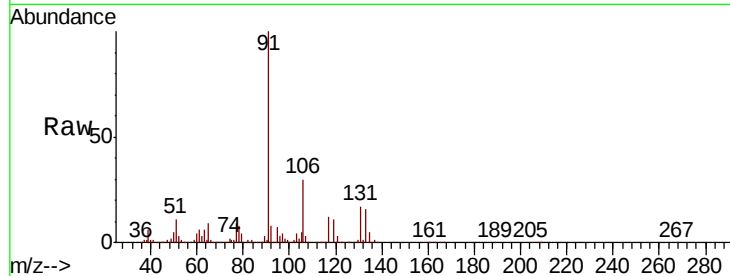




#67
Ethyl Benzene
Concen: 21.456 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

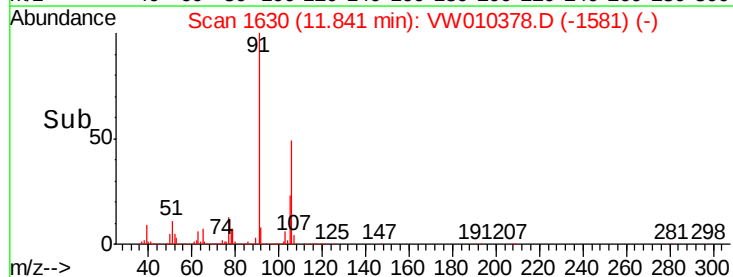
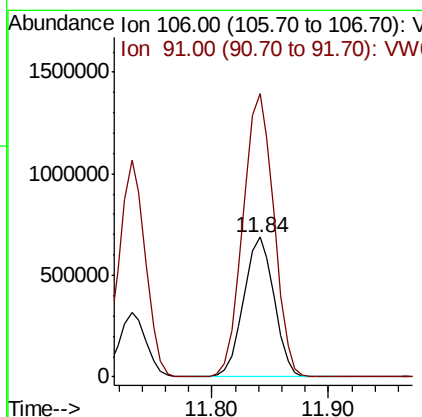
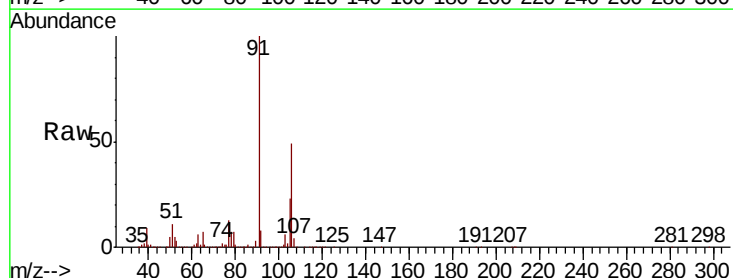
Instrument :
MSVOA_W
ClientSampled :

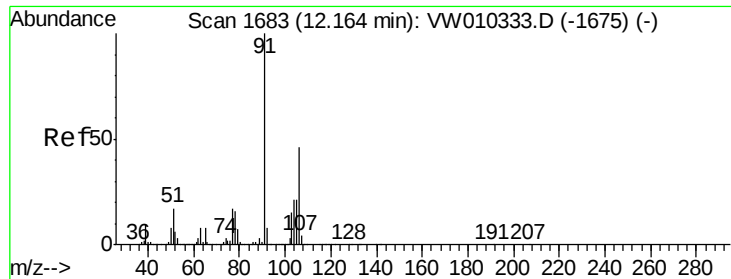
Tot Ion: 91 Resp: 1674840
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.8



#68
m/p-Xylenes
Concen: 43.455 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:106 Resp: 1260282
Ion Ratio Lower Upper
106 100
91 205.4 165.0 247.6

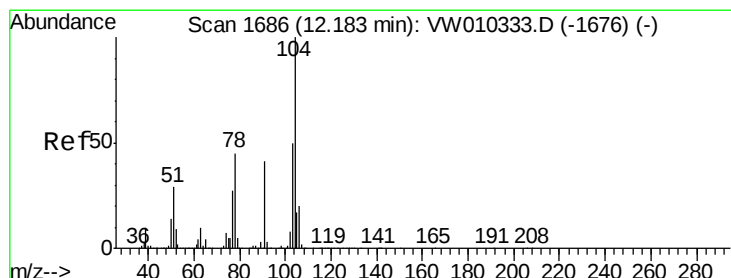
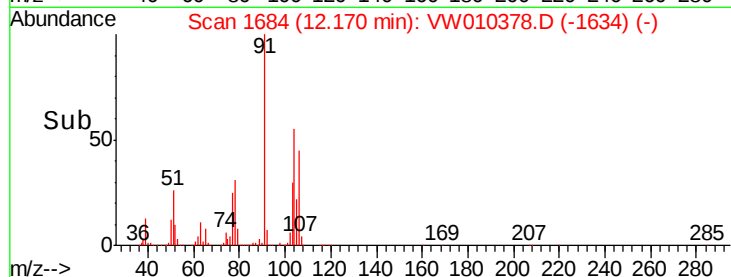
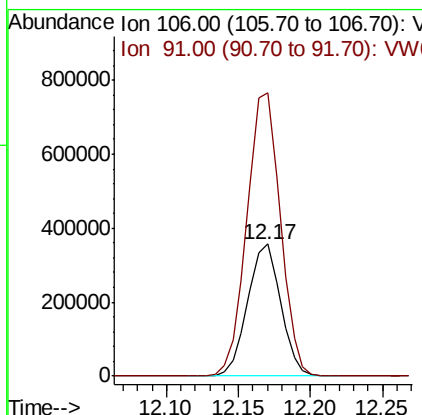
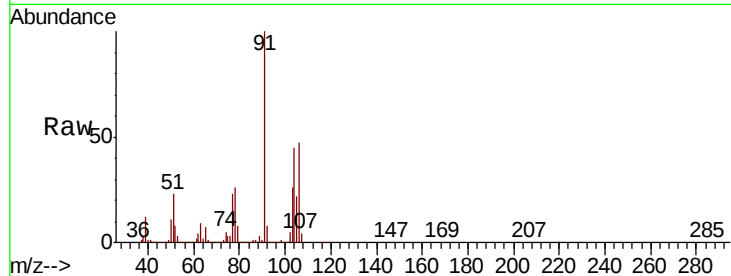




#69
o-Xylene
Concen: 21.568 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

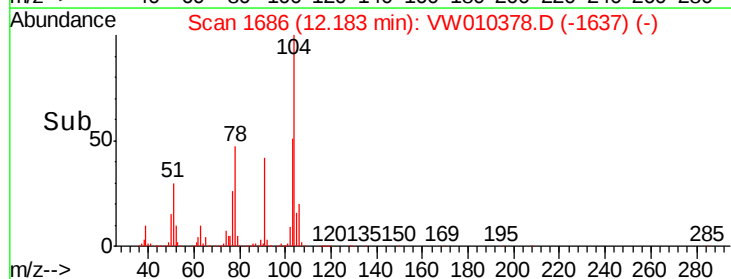
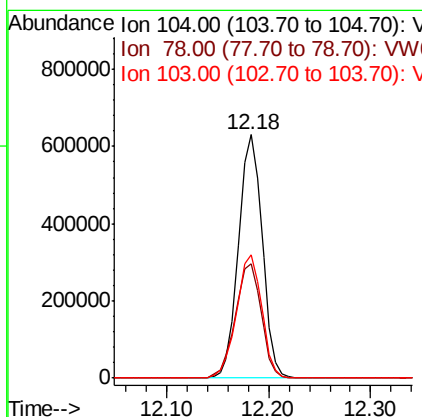
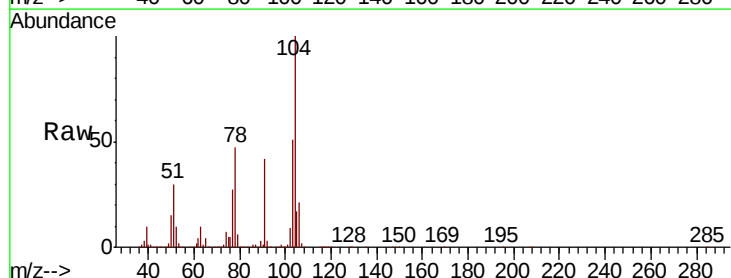
Instrument :
MSVOA_W
ClientSampled :

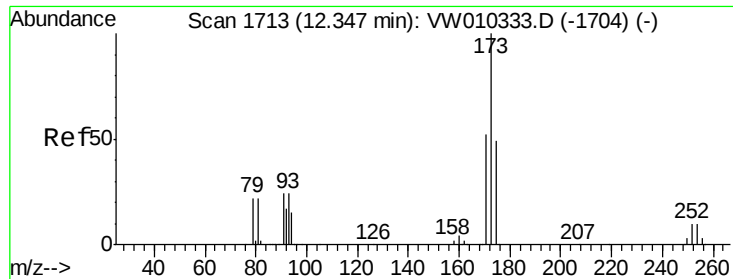
Tot Ion:106 Resp: 565851
Ion Ratio Lower Upper
106 100
91 218.0 110.5 331.4



#70
Styrene
Concen: 22.187 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:104 Resp: 1014222
Ion Ratio Lower Upper
104 100
78 51.3 42.5 63.7
103 54.0 43.6 65.4





#71

Bromoform

Concen: 18.730 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampled :

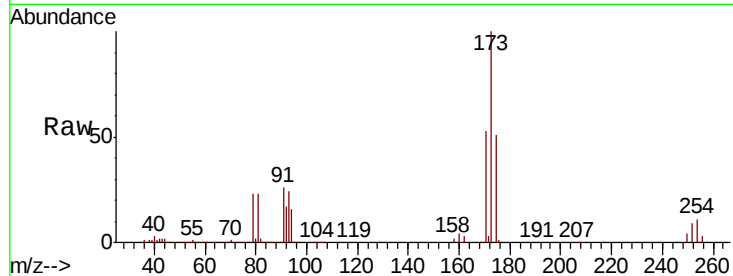
Tot Ion:173 Resp: 153550

Ion Ratio Lower Upper

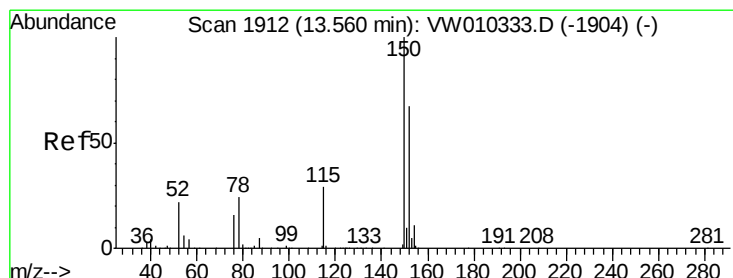
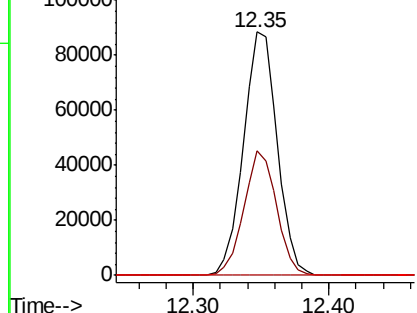
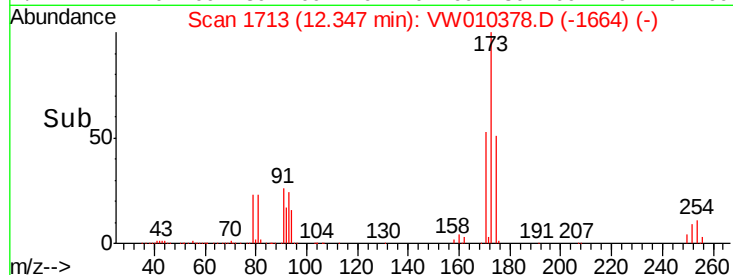
173 100

175 49.3 23.8 71.4

254 0.2 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: VW010378.D

Acq: 11 May 2019 13:47

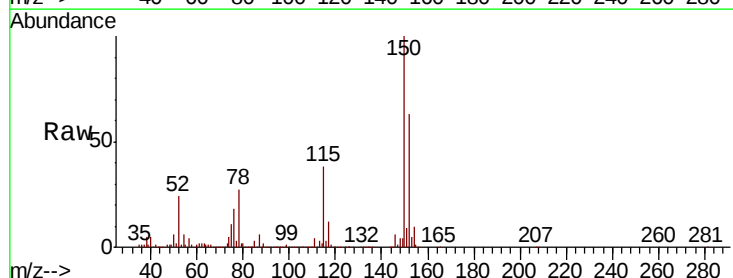
Tgt Ion:152 Resp: 1029226

Ion Ratio Lower Upper

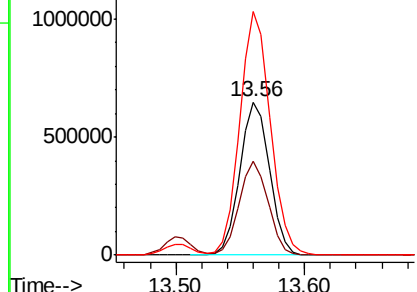
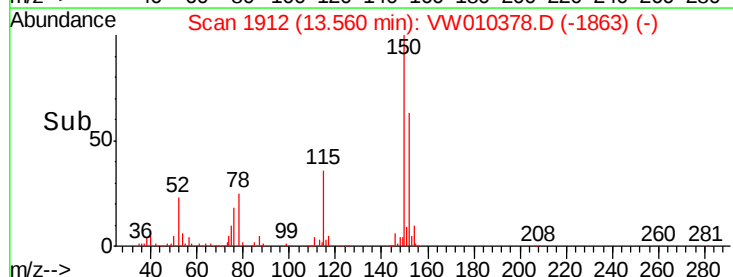
152 100

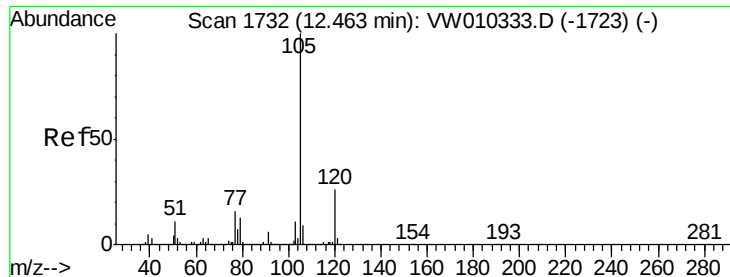
115 59.7 30.4 91.2

150 163.6 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: 21.204 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

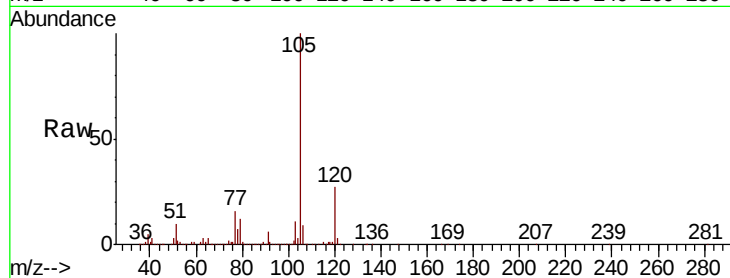
ClientSampleId :

Tot Ion:105 Resp: 1590753

Ion Ratio Lower Upper

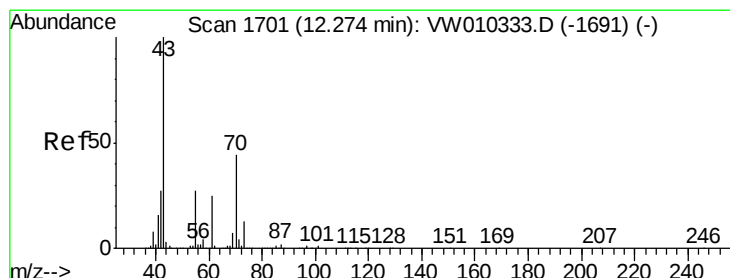
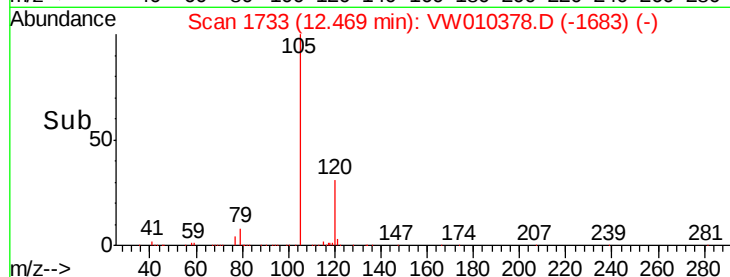
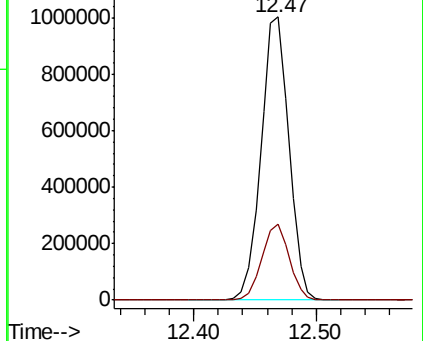
105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.054 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion: 43 Resp: 369296

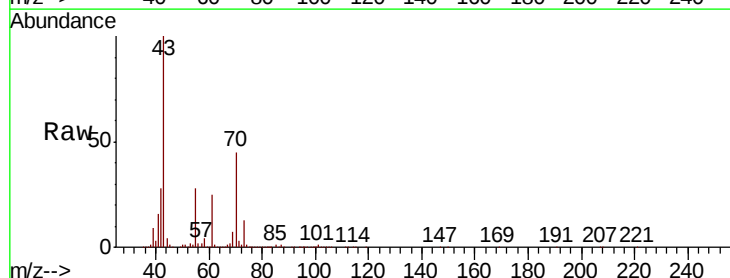
Ion Ratio Lower Upper

43 100

70 44.3 31.3 46.9

55 28.2 20.0 30.0

61 24.3 17.8 26.8

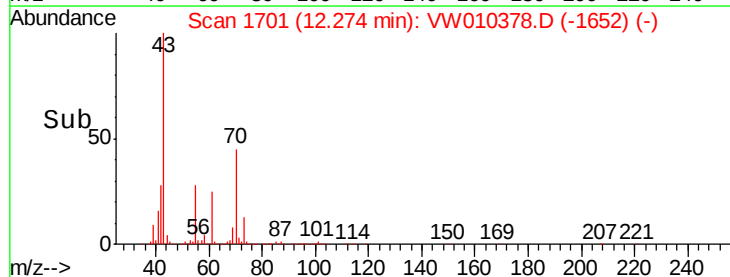
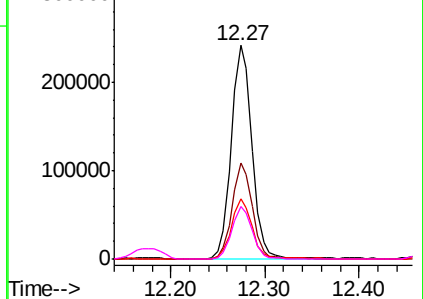


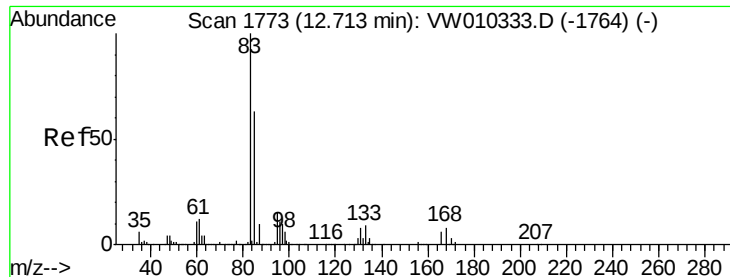
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.129 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampled :

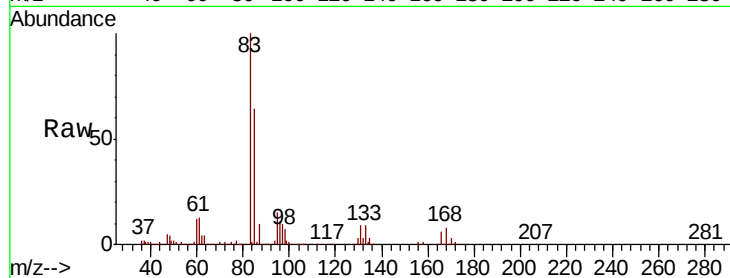
Tot Ion: 83 Resp: 299667

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	15.8
85	64.1	32.0	96.2

83 100

131 10.1 5.3 15.8

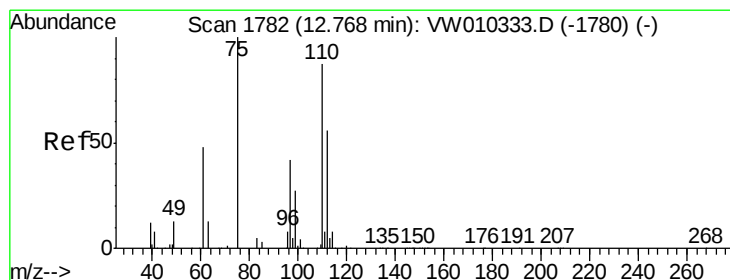
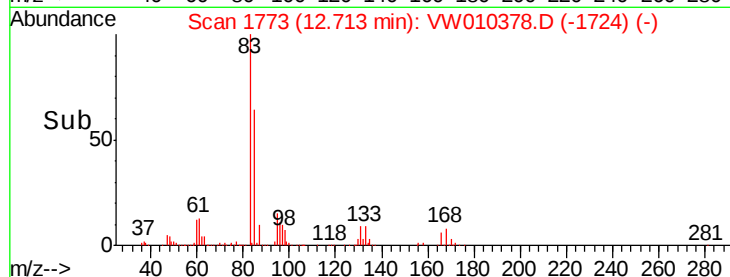
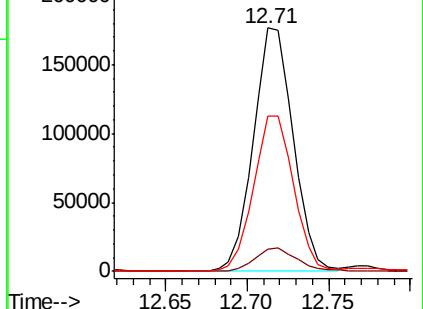
85 64.1 32.0 96.2



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: 31.843 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010378.D

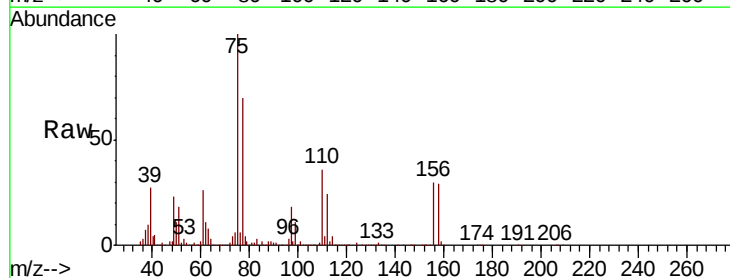
Acq: 11 May 2019 13:47

Tgt Ion: 75 Resp: 382110

Ion	Ratio	Lower	Upper
75	100		
77	191.4	0.0	0.0#

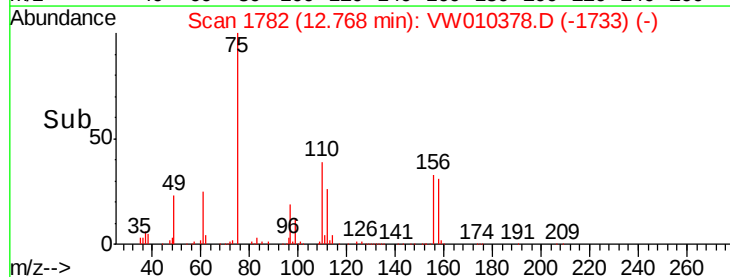
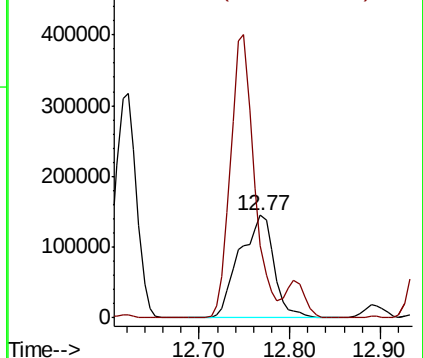
75 100

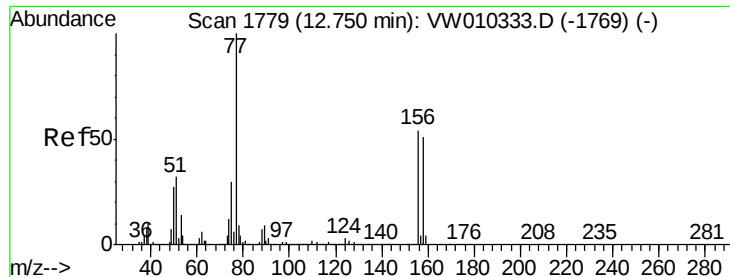
77 191.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

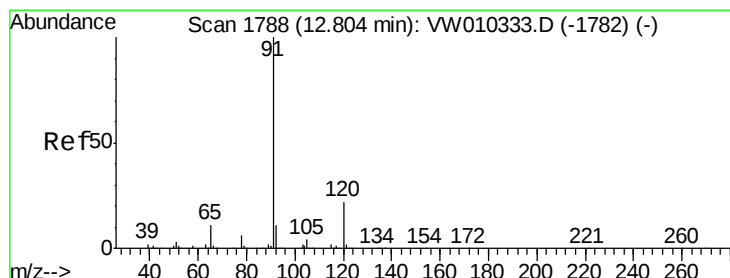
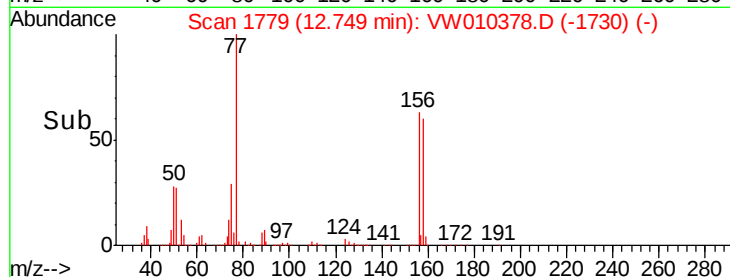
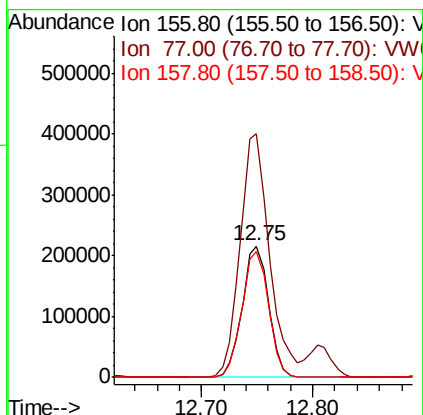
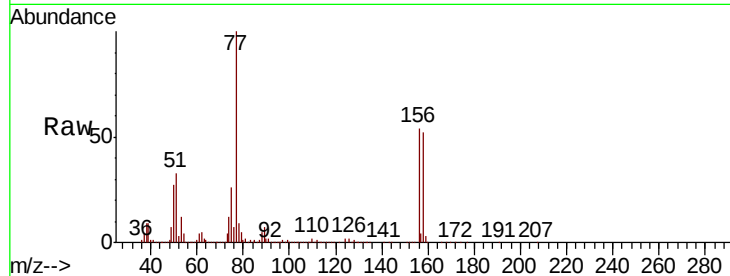




#77
Bromobenzene
Concen: 21.054 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

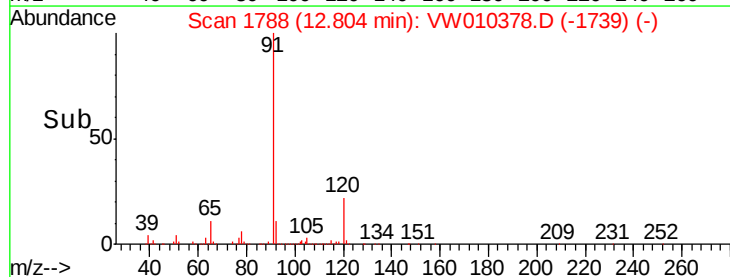
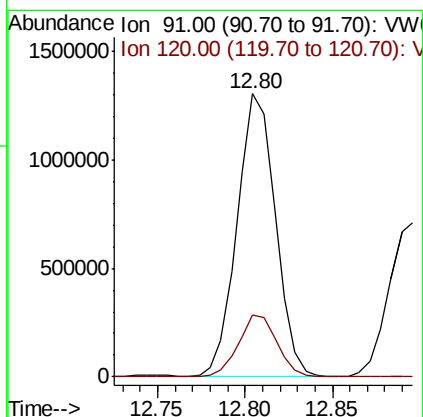
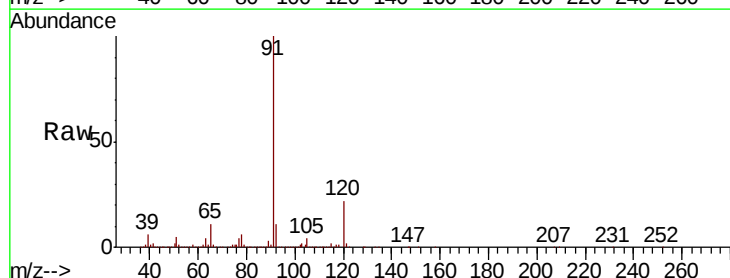
Instrument :
MSVOA_W
ClientSampled :

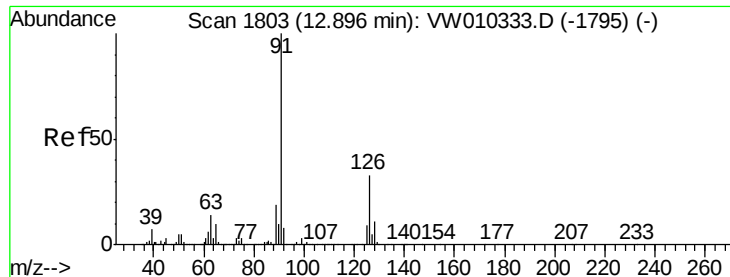
Tot Ion:156 Resp: 356638
Ion Ratio Lower Upper
156 100
77 205.1 102.5 307.4
158 96.5 48.8 146.4



#78
n-propylbenzene
Concen: 21.556 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion: 91 Resp: 1997339
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1





#79

2-Chlorotoluene

Concen: 21.348 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

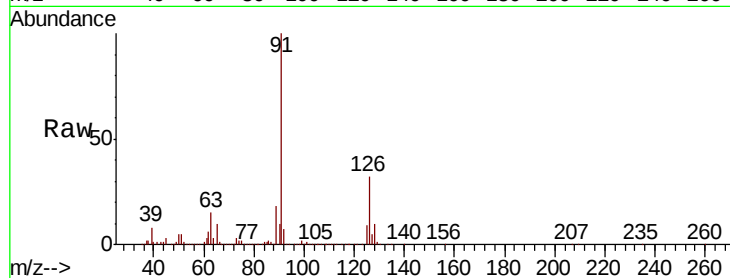
ClientSampleId :

Tot Ion: 91 Resp: 1126456

Ion Ratio Lower Upper

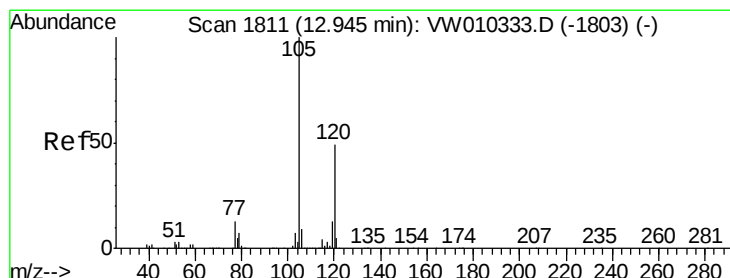
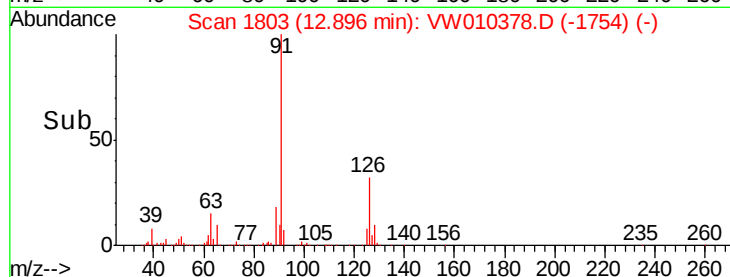
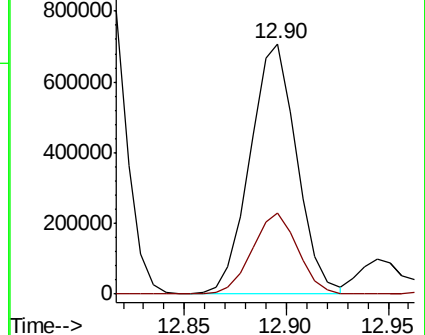
91 100

126 31.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.745 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010378.D

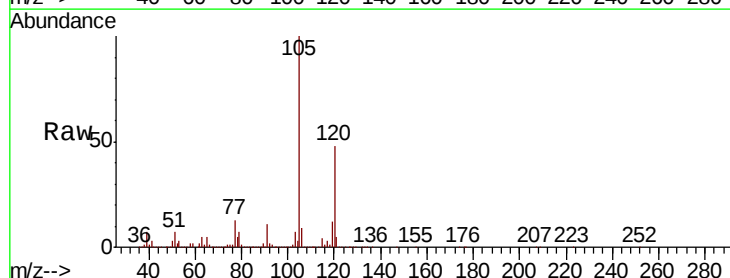
Acq: 11 May 2019 13:47

Tgt Ion:105 Resp: 1375286

Ion Ratio Lower Upper

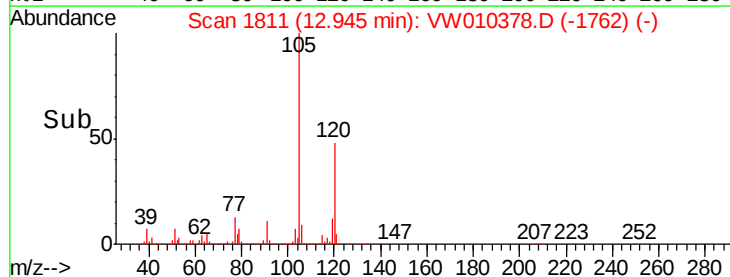
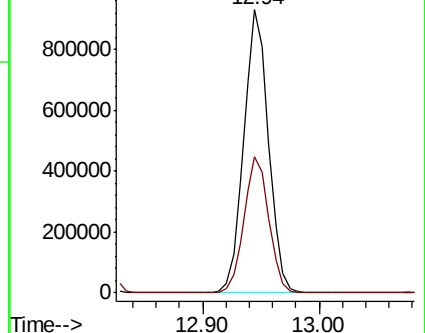
105 100

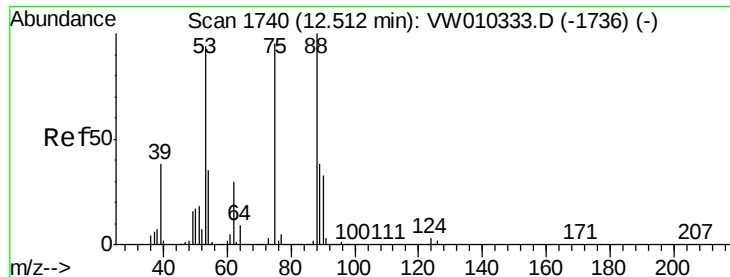
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.705 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

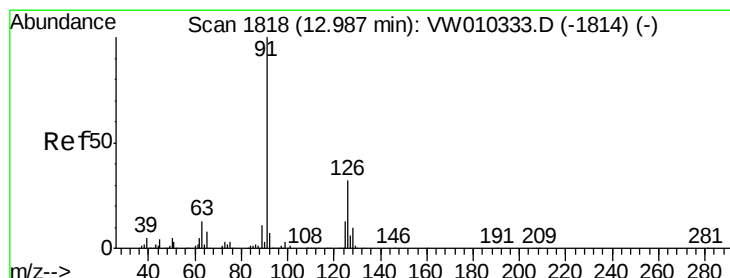
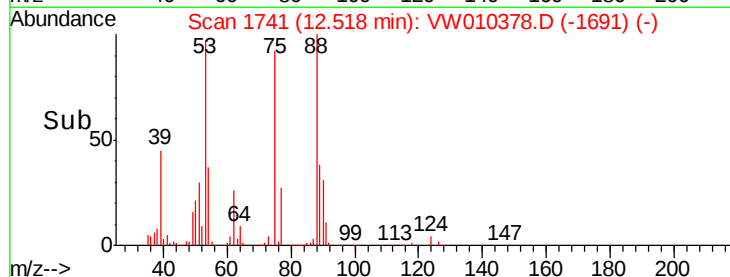
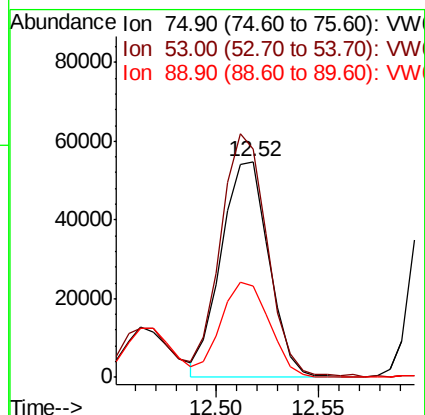
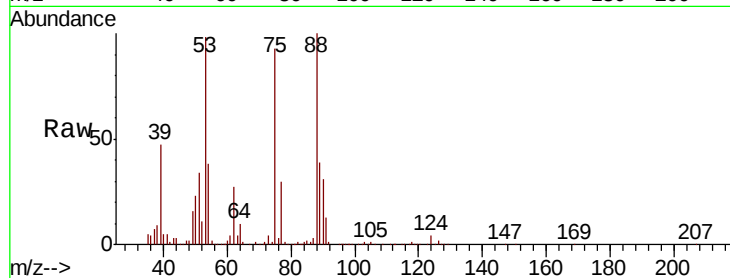
Tot Ion: 75 Resp: 88763

Ion Ratio Lower Upper

75 100

53 109.9 89.8 134.8

89 45.2 36.6 54.8



#82

4-Chlorotoluene

Concen: 21.508 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010378.D

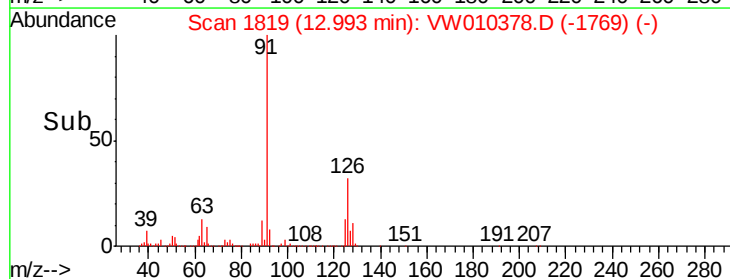
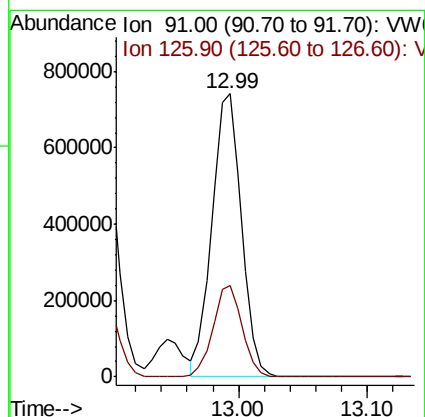
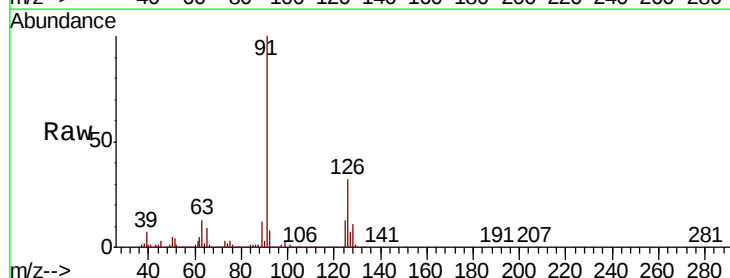
Acq: 11 May 2019 13:47

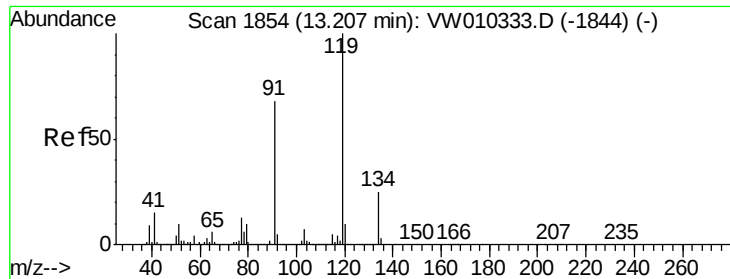
Tgt Ion: 91 Resp: 1189082

Ion Ratio Lower Upper

91 100

126 32.0 16.4 49.1





#83

tert-Butylbenzene

Concen: 20.896 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

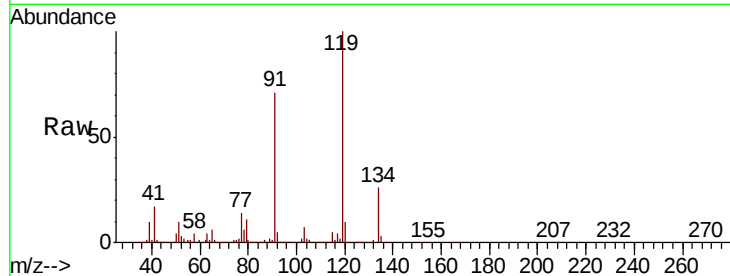
Tot Ion:119 Resp: 1102304

Ion Ratio Lower Upper

119 100

91 69.6 34.8 104.4

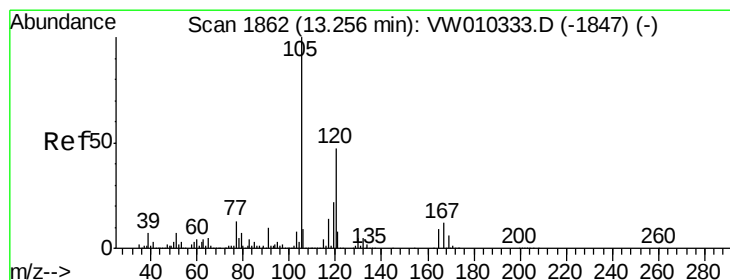
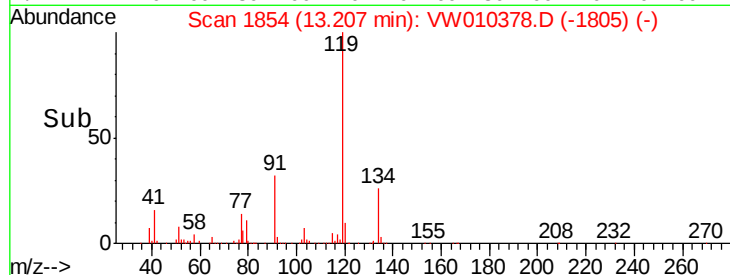
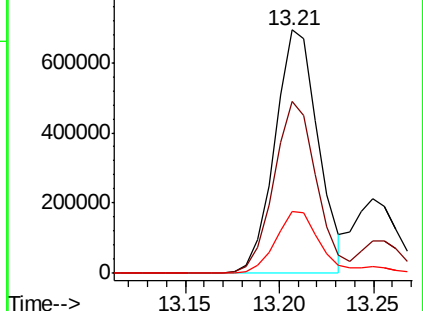
134 27.7 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.920 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010378.D

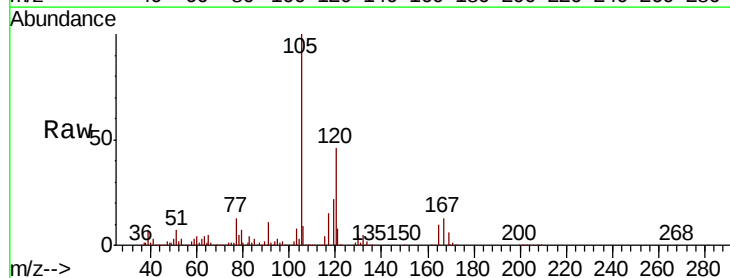
Acq: 11 May 2019 13:47

Tgt Ion:105 Resp: 1377642

Ion Ratio Lower Upper

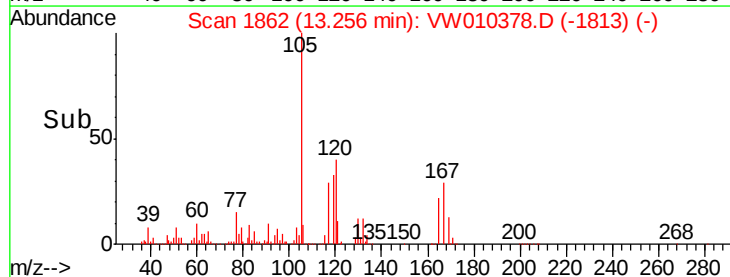
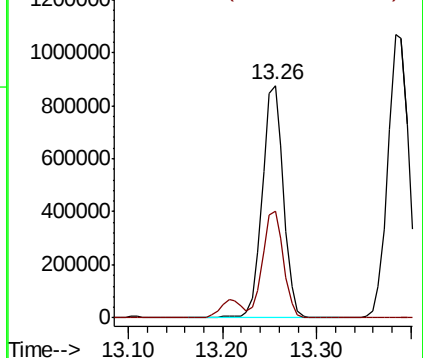
105 100

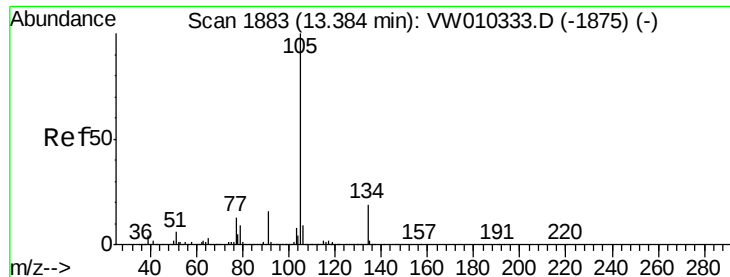
120 45.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.239 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

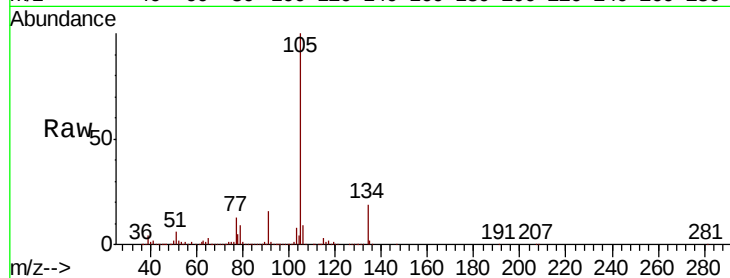
ClientSampleId :

Tot Ion:105 Resp: 1653958

Ion Ratio Lower Upper

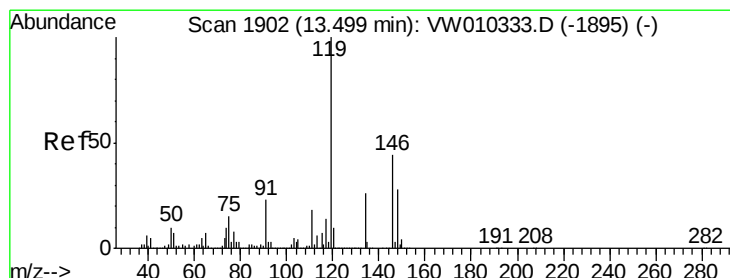
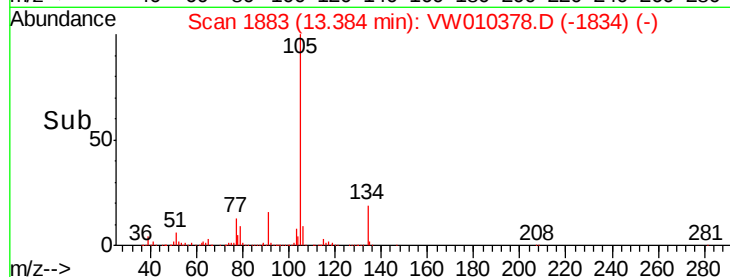
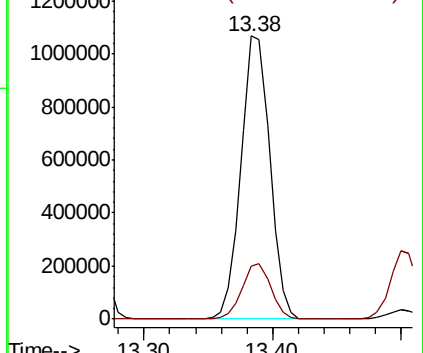
105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.622 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

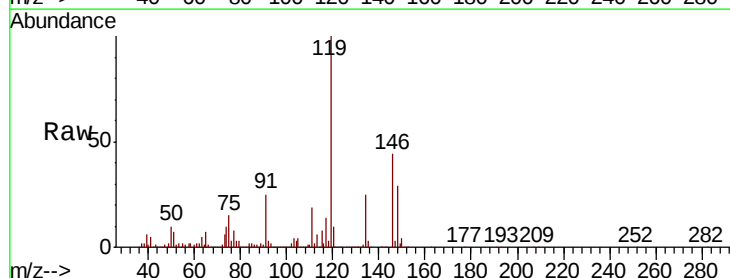
Tgt Ion:119 Resp: 1495048

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

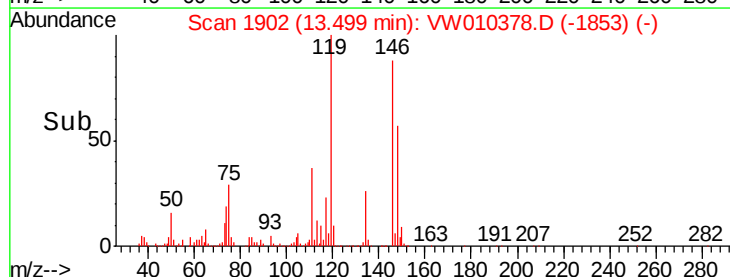
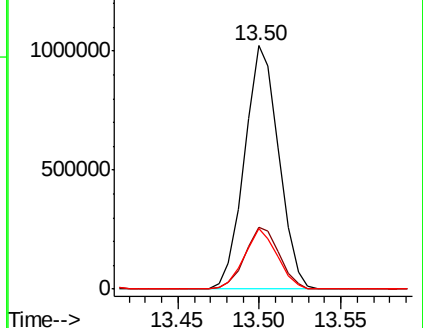
91 24.0 12.3 36.9

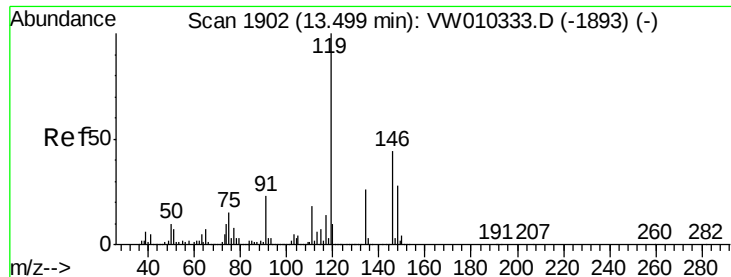


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.204 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010378.D

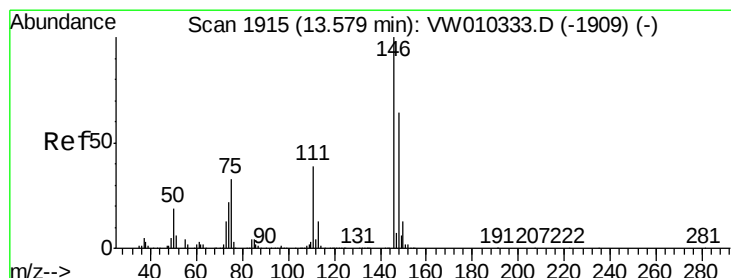
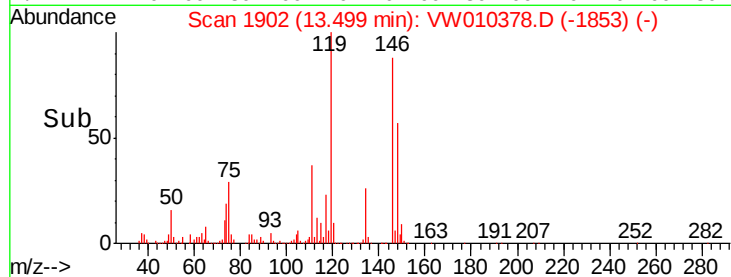
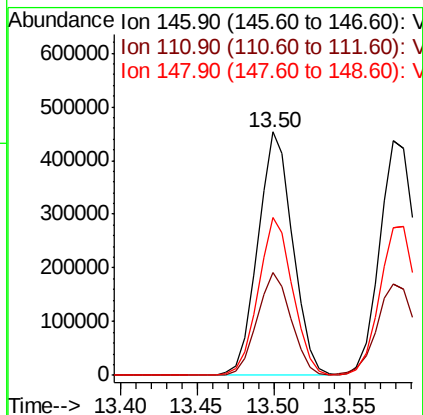
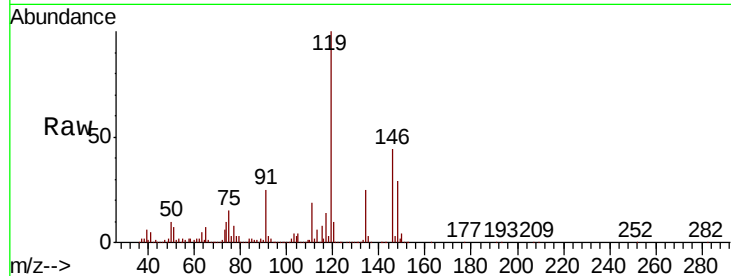
Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	717221
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	64.0	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 21.128 ug/l

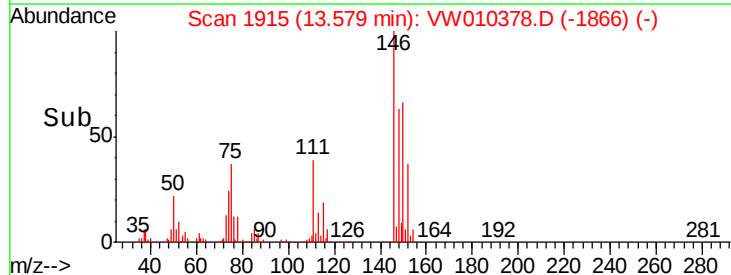
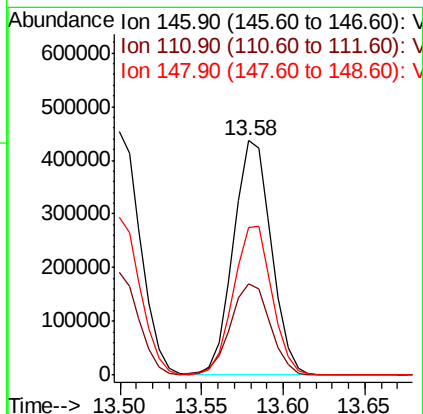
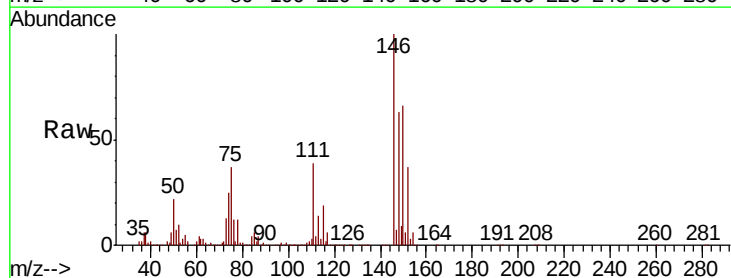
RT: 13.58 min Scan# 1915

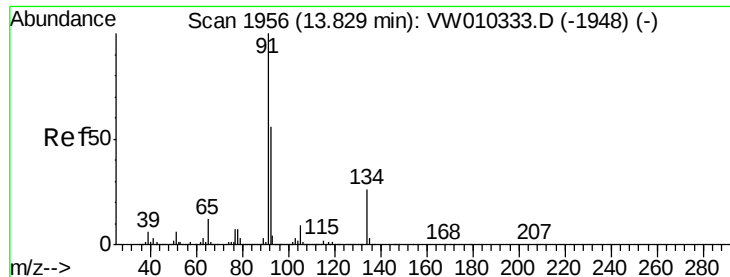
Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Tgt Ion:	146	Resp:	709216
Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.1	60.3
148	64.4	31.8	95.3





#89

n-Butylbenzene

Concen: 21.320 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampleId :

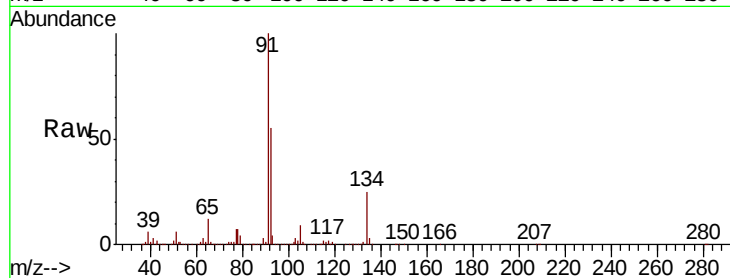
Tot Ion: 91 Resp: 1478122

Ion Ratio Lower Upper

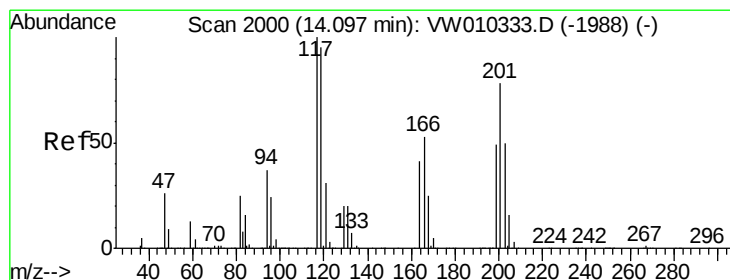
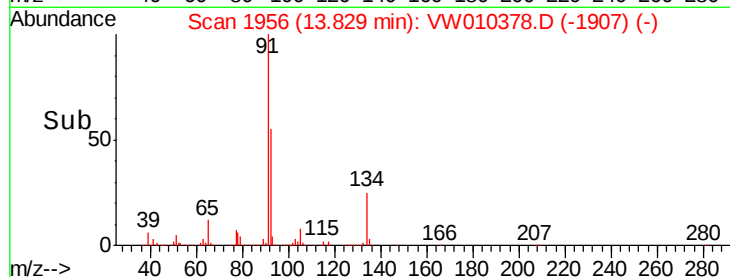
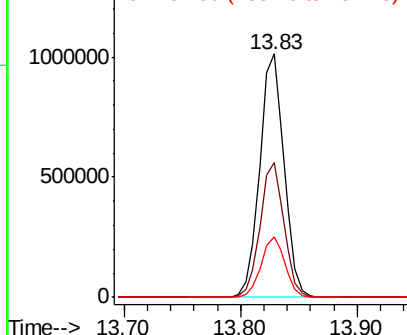
91 100

92 54.4 26.5 79.4

134 24.6 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: 20.121 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010378.D

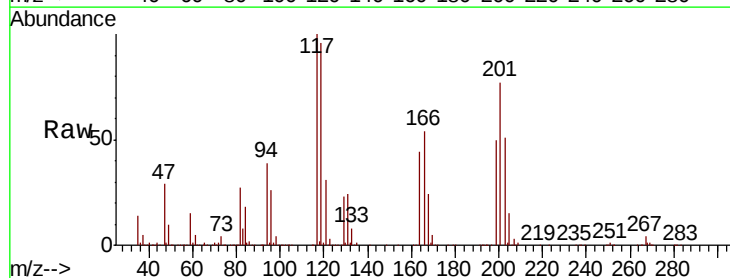
Acq: 11 May 2019 13:47

Tgt Ion: 117 Resp: 258037

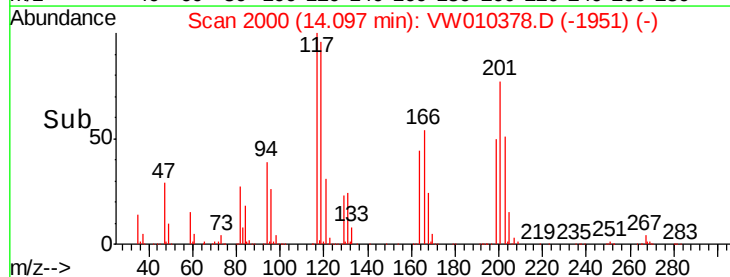
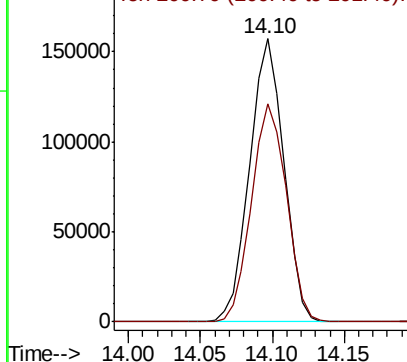
Ion Ratio Lower Upper

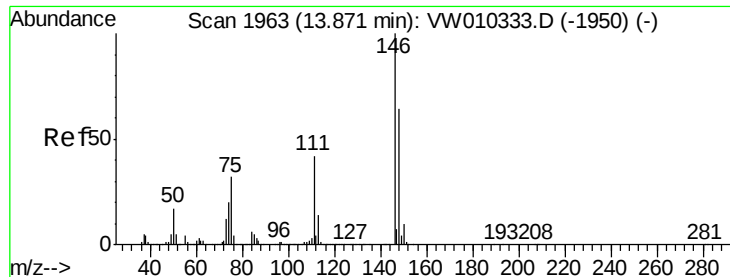
117 100

201 78.6 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: 21.078 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

Instrument :

MSVOA_W

ClientSampled :

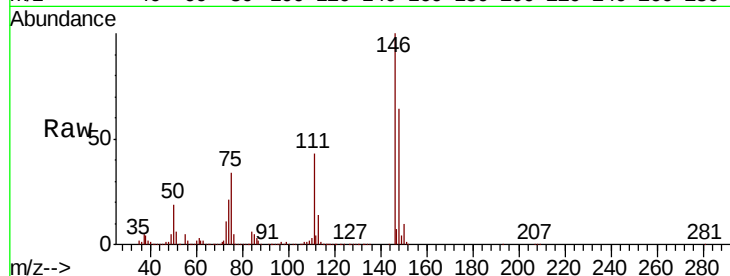
Tot Ion:146 Resp: 631137

Ion Ratio Lower Upper

146 100

111 42.8 20.9 62.8

148 63.3 31.9 95.7

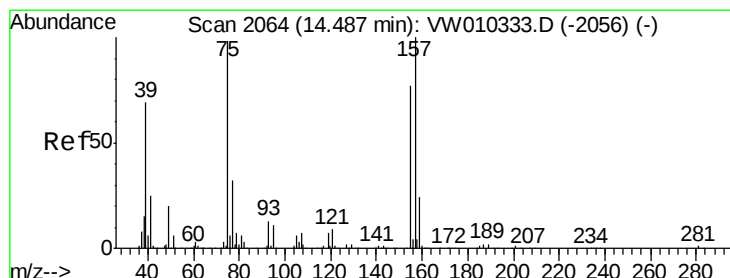
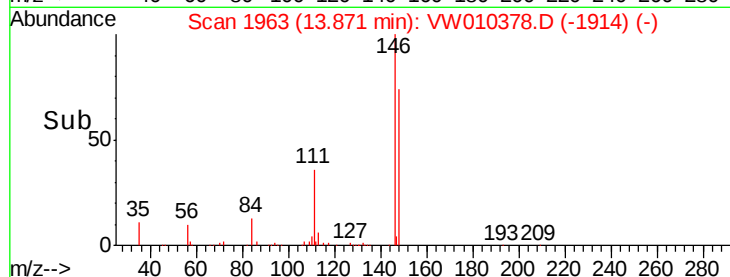
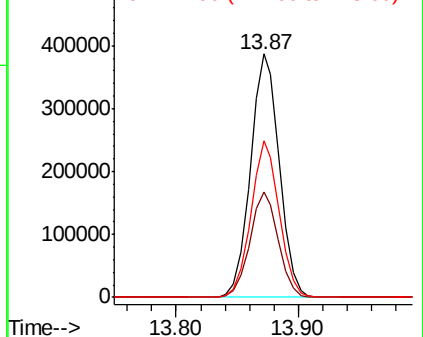


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 15.891 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010378.D

Acq: 11 May 2019 13:47

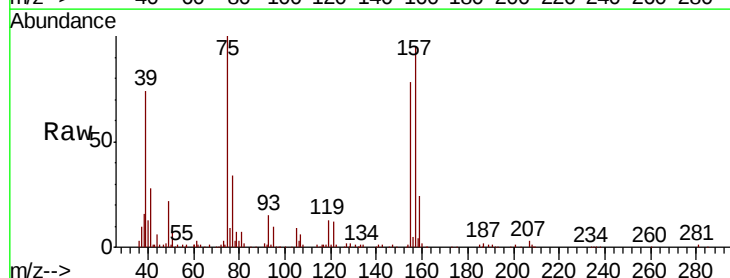
Tgt Ion: 75 Resp: 47300

Ion Ratio Lower Upper

75 100

155 76.9 37.1 111.5

157 98.3 47.3 141.9

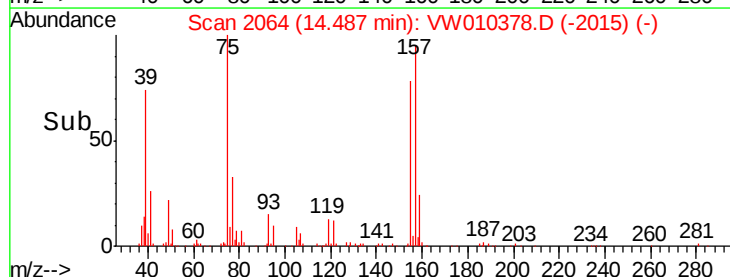
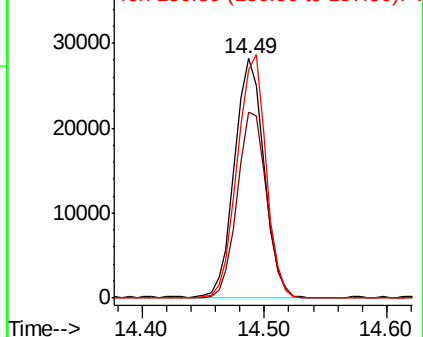


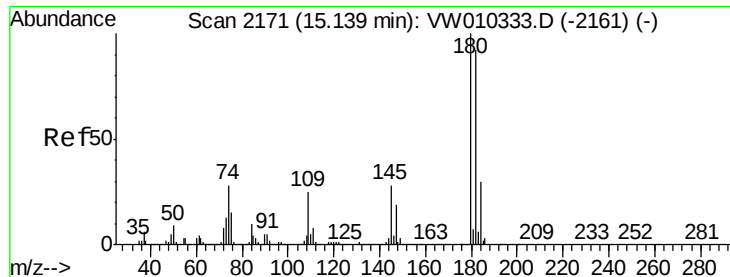
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

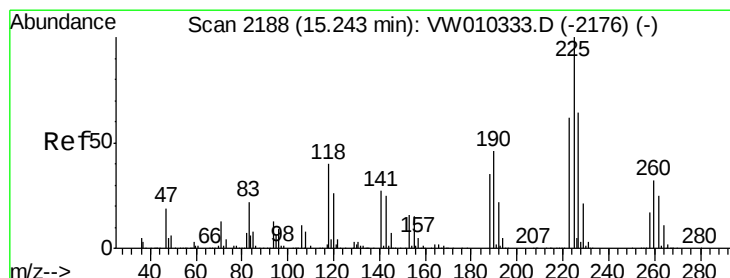
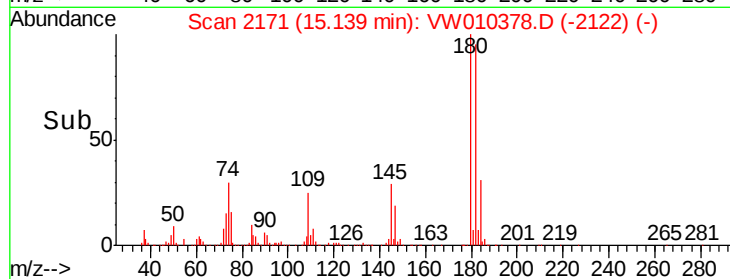
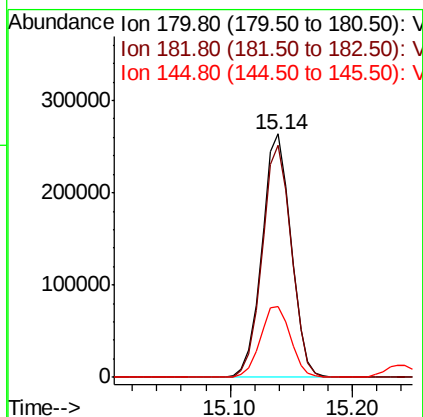
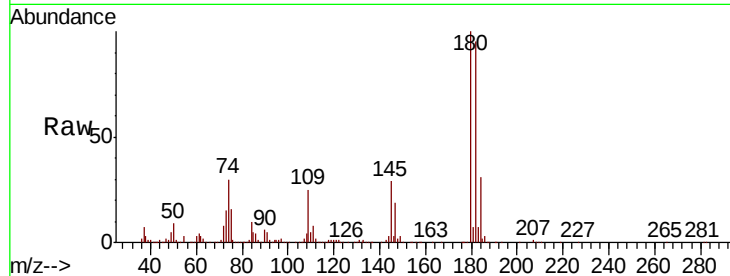




#93
 1,2,4-Trichlorobenzene
 Concen: 21.315 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

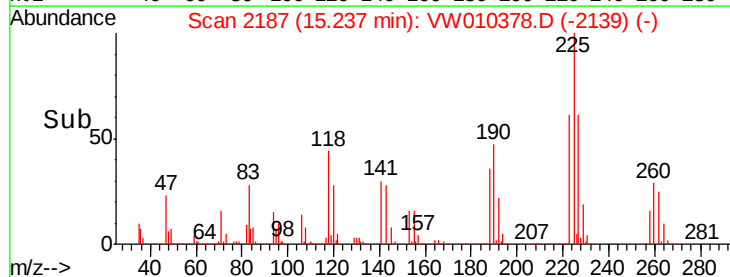
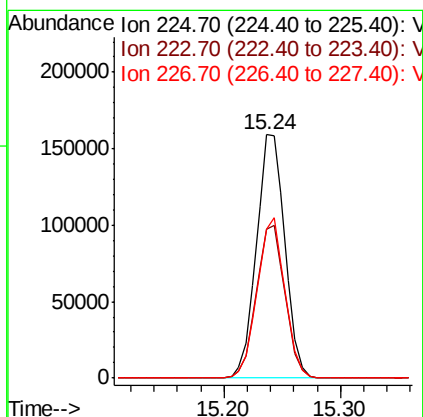
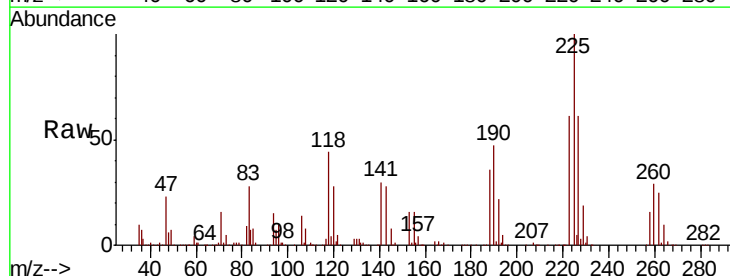
Instrument :
 MSVOA_W
 ClientSampleId :

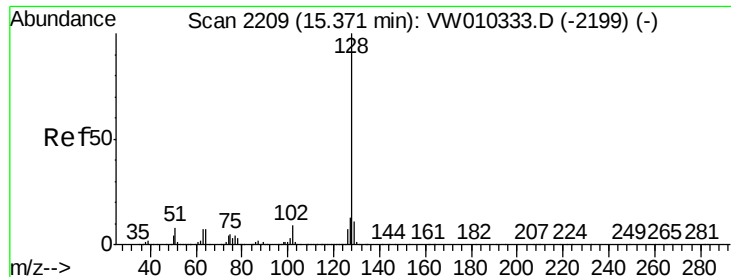
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.4
145	30.7	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 20.718 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010378.D
 Acq: 11 May 2019 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	63.9	31.8	95.3

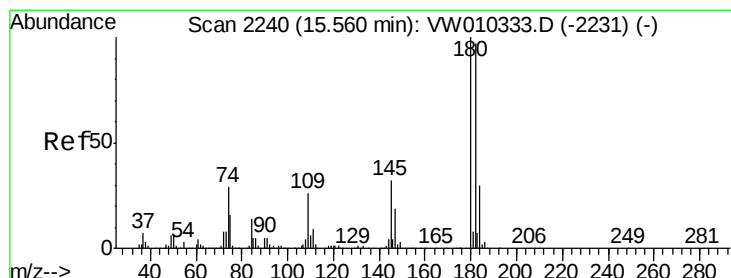
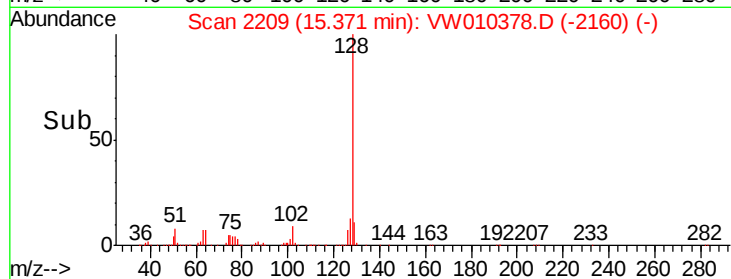
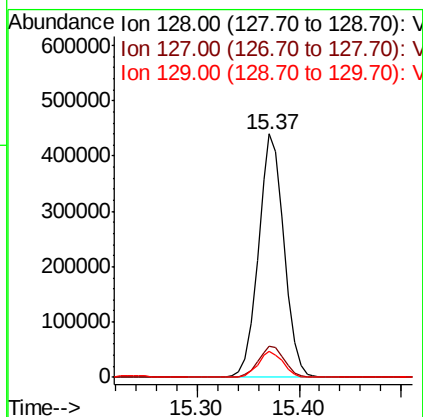
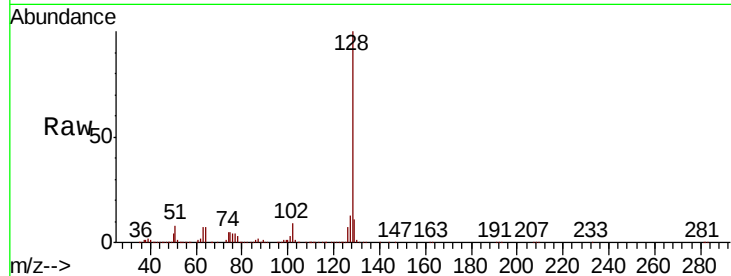




#95
Naphthalene
Concen: 18.849 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 767316
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.825 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010378.D
Acq: 11 May 2019 13:47

Tgt Ion:180 Resp: 384453
Ion Ratio Lower Upper
180 100
182 96.5 47.8 143.3
145 32.1 16.4 49.2

