

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010665.D
 Acq On : 03 Jun 2019 17:49
 Operator : SY/VA
 Sample : K3010-05MSD
 Misc : 6.65G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 04 07:39:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	14246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	20908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	6353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	5550	37.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.48%	
35) Dibromofluoromethane	7.89	113	5587	44.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.08%	
50) Toluene-d8	10.32	98	23016	47.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.62	95	7637	39.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	7111	56.063	ug/l	89
3) Chloromethane	2.21	50	6332	42.304	ug/l	98
4) Vinyl Chloride	2.36	62	8098	46.708	ug/l	93
5) Bromomethane	2.78	94	4840	40.579	ug/l	91
6) Chloroethane	2.92	64	4575	41.106	ug/l	99
7) Trichlorofluoromethane	3.27	101	14061	54.933	ug/l	96
8) Diethyl Ether	3.68	74	3089	38.070	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	8222	52.158	ug/l	97
10) Methyl Iodide	4.28	142	3329	18.476	ug/l	96
11) Tert butyl alcohol	5.15	59	5047	381.585	ug/l	99
12) 1,1-Dichloroethene	4.04	96	8022	53.311	ug/l	85
13) Acrolein	3.91	56	45	Below Cal	#	13
14) Allyl chloride	4.67	41	8245	37.854	ug/l	98
15) Acrylonitrile	5.37	53	11487	338.039	ug/l	95
16) Acetone	4.12	43	13230	440.784	ug/l	90
17) Carbon Disulfide	4.39	76	20242	45.100	ug/l	99
18) Methyl Acetate	4.67	43	21268	289.725	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	15051	39.235	ug/l	96
20) Methylene Chloride	4.92	84	7907	44.322	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	7855	45.510	ug/l	96
22) Diisopropyl ether	6.31	45	15222	34.083	ug/l	99
23) Vinyl Acetate	6.31	43	7635	28.619	ug/l #	67
24) 1,1-Dichloroethane	6.22	63	11984	44.965	ug/l	98
25) 2-Butanone	7.17	43	13650	317.783	ug/l	94
26) 2,2-Dichloropropane	7.17	77	11279	44.427	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	8164	43.508	ug/l	98
28) Bromochloromethane	7.51	49	4041	42.348	ug/l #	91
29) Tetrahydrofuran	7.53	42	9383	322.819	ug/l	96
30) Chloroform	7.68	83	12188	42.396	ug/l	96
31) Cyclohexane	7.96	56	12029	43.087	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	12450	45.311	ug/l	96
36) 1,1-Dichloropropene	8.08	75	10375	53.268	ug/l	96
37) Ethyl Acetate	7.25	43	3121	37.682	ug/l #	80
38) Carbon Tetrachloride	8.06	117	10979	52.255	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	12611	48.329	ug/l	99
40) Benzene	8.32	78	29159	53.864	ug/l	99
41) Methacrylonitrile	7.53	41	8249	167.621	ug/l #	32
42) 1,2-Dichloroethane	8.40	62	7117	45.998	ug/l	100
43) Isopropyl Acetate	8.43	43	6805	41.126	ug/l	98
44) Trichloroethene	9.09	130	8695	54.102	ug/l	96
45) 1,2-Dichloropropane	9.37	63	5976	46.481	ug/l	95
46) Dibromomethane	9.46	93	3667	48.770	ug/l	96
47) Bromodichloromethane	9.65	83	7532	39.862	ug/l	96
48) Methyl methacrylate	9.44	41	5324	70.332	ug/l	95
49) 1,4-Dioxane	9.45	88	2684	2185.181	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	27541	328.474	ug/l	100
52) Toluene	10.39	92	23225	63.883	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	6650	34.750	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	8259	37.790	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	5483	50.710	ug/l	96
56) Ethyl methacrylate	10.65	69	4099	27.488	ug/l	96
57) 1,3-Dichloropropane	10.93	76	8826	48.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	4196	63.528	ug/l	98
59) 2-Hexanone	10.97	43	19564	327.098	ug/l	99
60) Dibromochloromethane	11.13	129	5555	40.594	ug/l	97
61) 1,2-Dibromoethane	11.24	107	5223	47.686	ug/l	97
64) Tetrachloroethene	10.86	164	6978	59.912	ug/l	89
65) Chlorobenzene	11.66	112	18323	51.457	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	6072	47.602	ug/l	98
67) Ethyl Benzene	11.73	91	33081	52.619	ug/l	96
68) m/p-Xylenes	11.84	106	26339	106.813	ug/l	98
69) o-Xylene	12.17	106	11681	49.998	ug/l	100
70) Styrene	12.18	104	11966	30.186	ug/l	95
71) Bromoform	12.35	173	3215	45.769	ug/l #	98
73) Isopropylbenzene	12.47	105	32607	64.680	ug/l	98
74) N-amyl acetate	12.29	43	806	6.977	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	6594	71.912	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8273	128.290	ug/l #	11
77) Bromobenzene	12.75	156	6869	60.887	ug/l	97
78) n-propylbenzene	12.80	91	34258	58.311	ug/l	99
79) 2-Chlorotoluene	12.90	91	20089	58.963	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	23755	55.636	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	1373	44.435	ug/l #	80
82) 4-Chlorotoluene	12.99	91	18739	52.989	ug/l	97
83) tert-Butylbenzene	13.21	119	23174	62.136	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	22527	52.974	ug/l	96
85) sec-Butylbenzene	13.38	105	27990	53.628	ug/l	100
86) p-Isopropyltoluene	13.50	119	22342	47.293	ug/l	96
87) 1,3-Dichlorobenzene	13.50	146	10942	49.436	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	10511	47.332	ug/l	98
89) n-Butylbenzene	13.83	91	16393	36.481	ug/l	98
90) Hexachloroethane	14.10	117	3715	40.627	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	9244	45.837	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1200	70.381	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

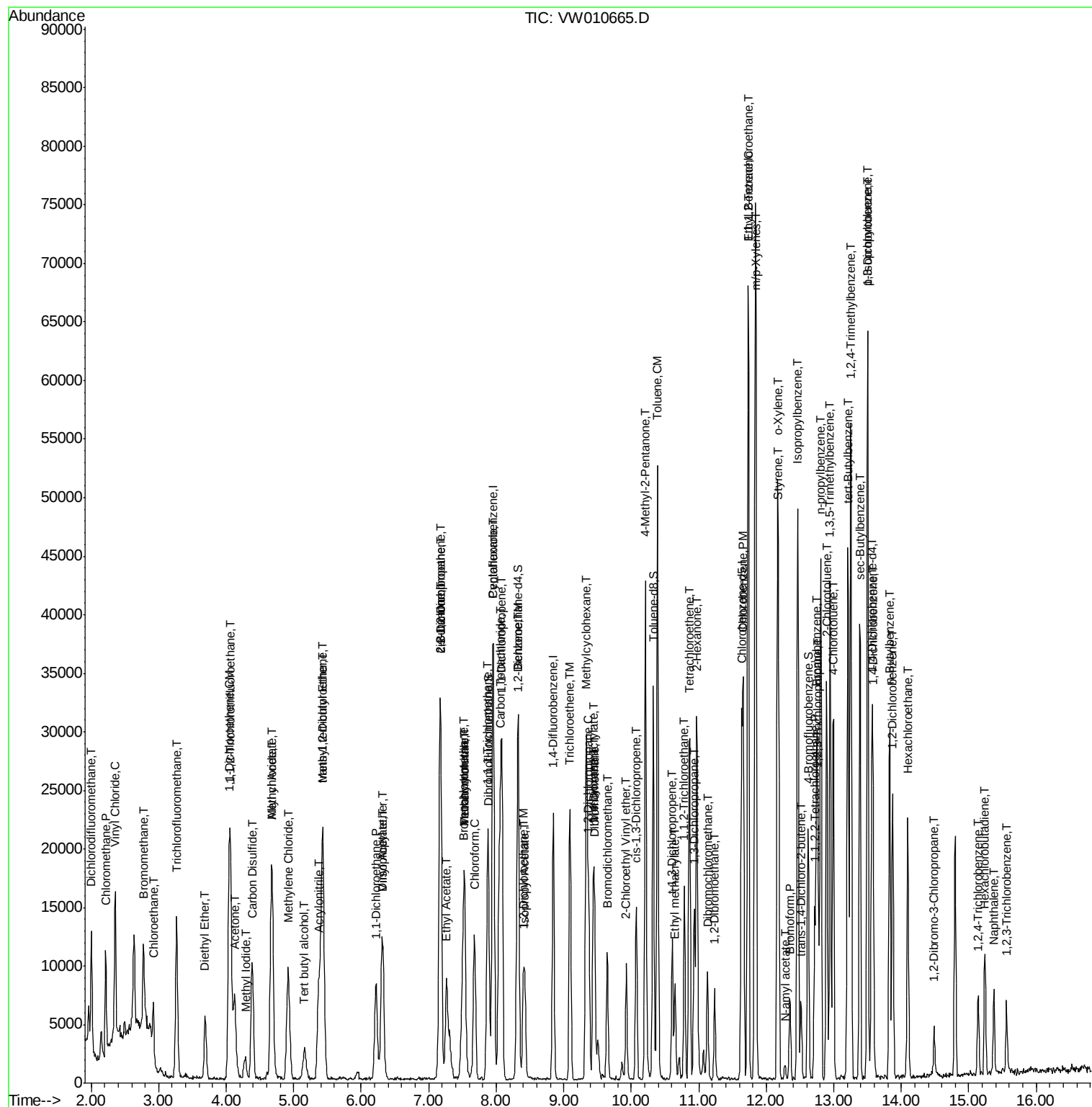
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	2351	17.134	ug/l	95
94) Hexachlorobutadiene	15.24	225	1991	27.161	ug/l	96
95) Naphthalene	15.37	128	5824	20.220	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	2127	18.015	ug/l	97

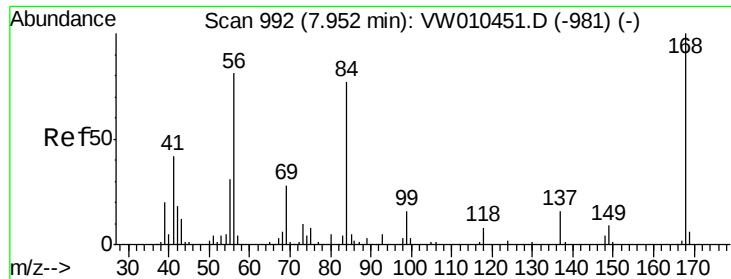
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

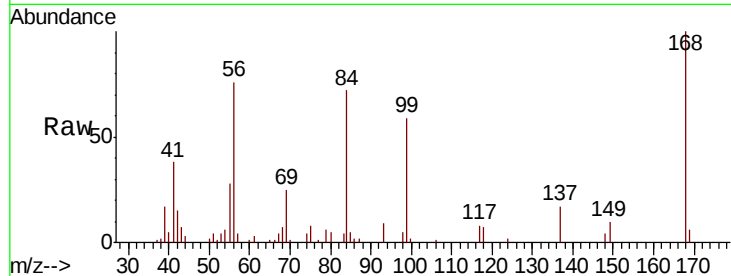
ClientSampled :

Tot Ion:168 Resp: 14246

Ion Ratio Lower Upper

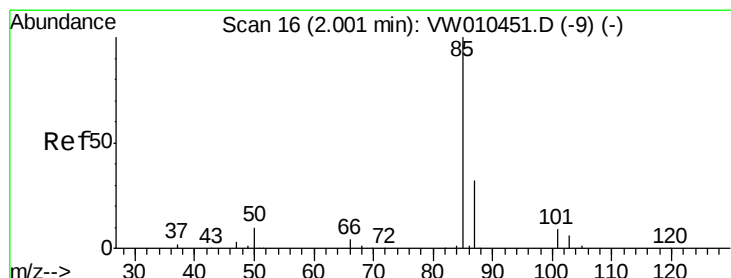
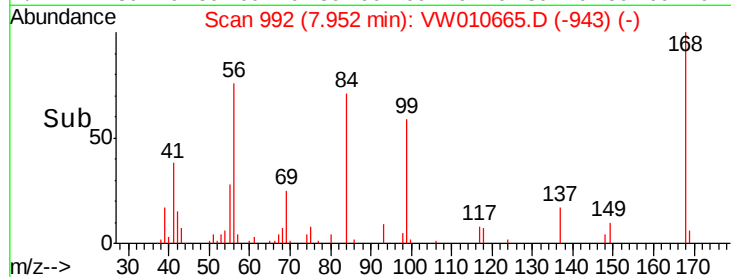
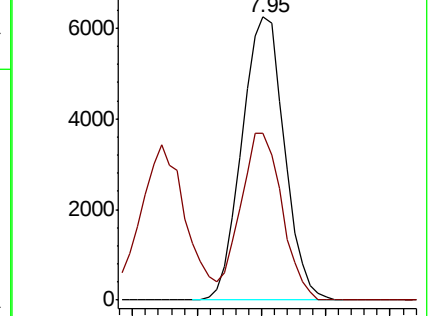
168 100

99 58.9 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 56.063 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010665.D

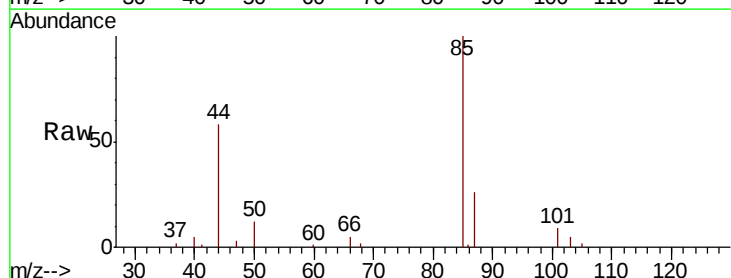
Acq: 03 Jun 2019 17:49

Tgt Ion: 85 Resp: 7111

Ion Ratio Lower Upper

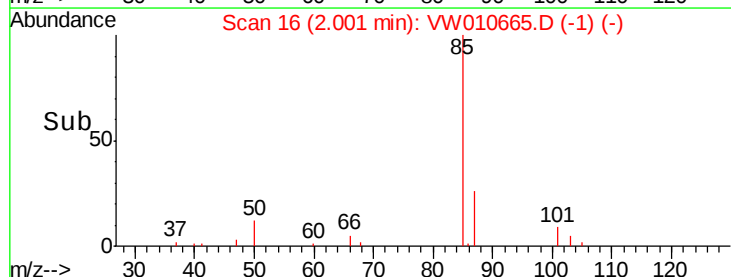
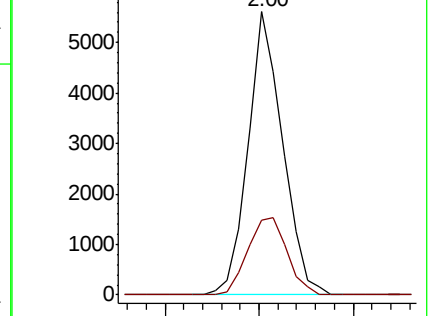
85 100

87 26.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.304 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

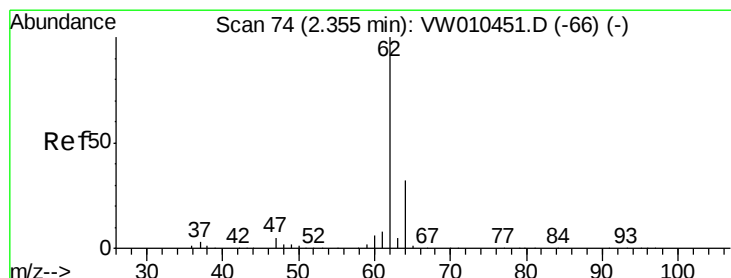
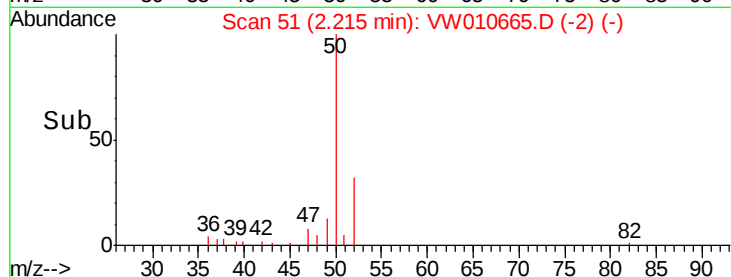
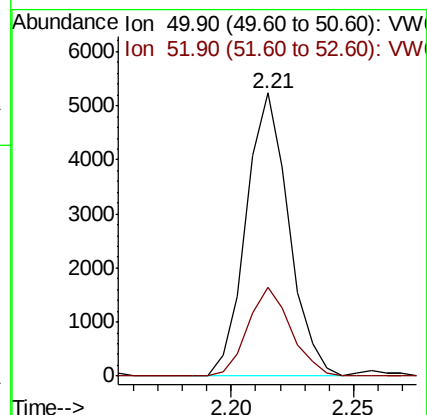
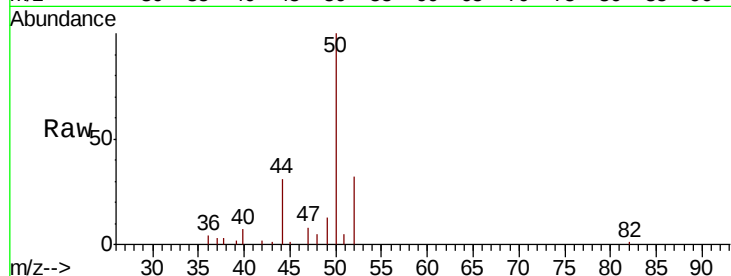
ClientSampleId :

Tot Ion: 50 Resp: 6332

Ion Ratio Lower Upper

50 100

52 31.6 26.3 39.5



#4

Vinyl Chloride

Concen: 46.708 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW010665.D

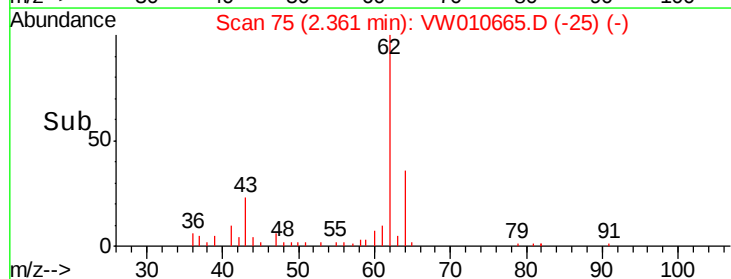
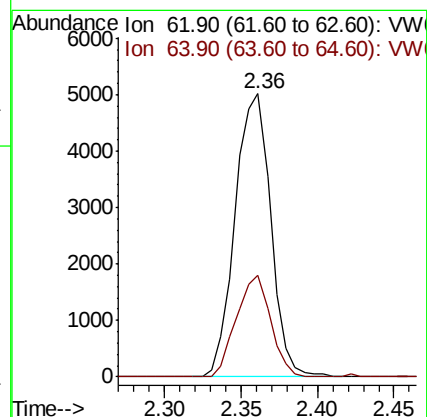
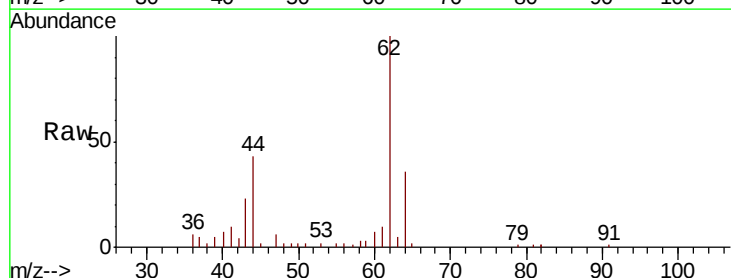
Acq: 03 Jun 2019 17:49

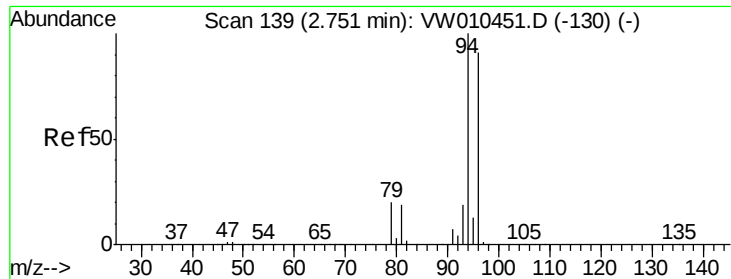
Tgt Ion: 62 Resp: 8098

Ion Ratio Lower Upper

62 100

64 36.1 25.8 38.8





#5

Bromomethane

Concen: 40.579 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.02 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

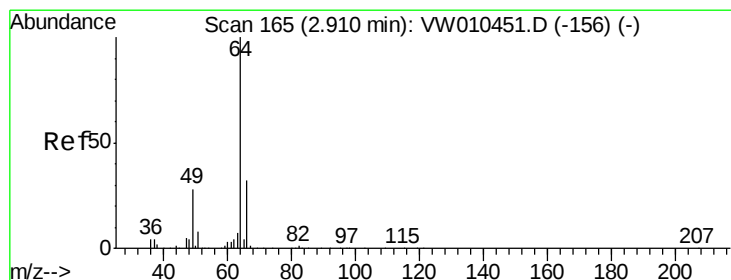
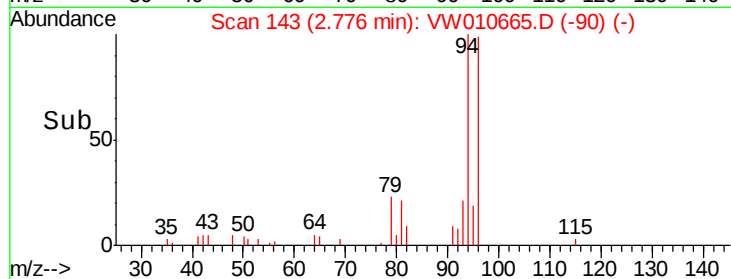
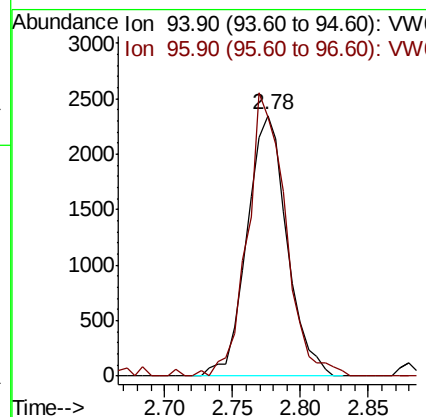
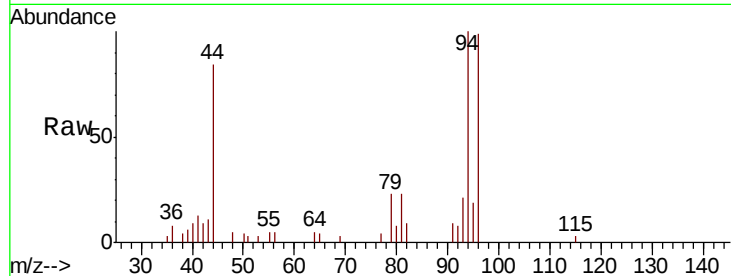
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 4840

Ion Ratio Lower Upper

94 100

96 99.5 72.9 109.3



#6

Chloroethane

Concen: 41.106 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010665.D

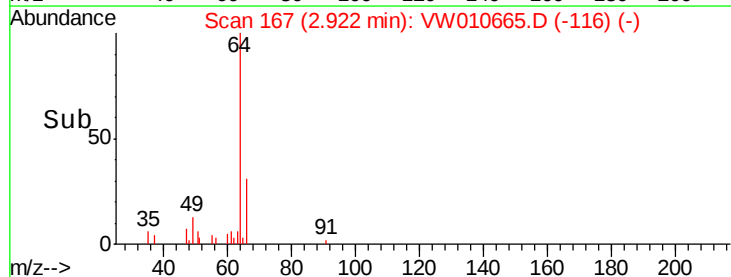
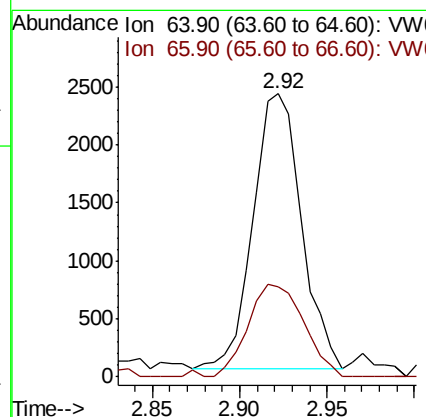
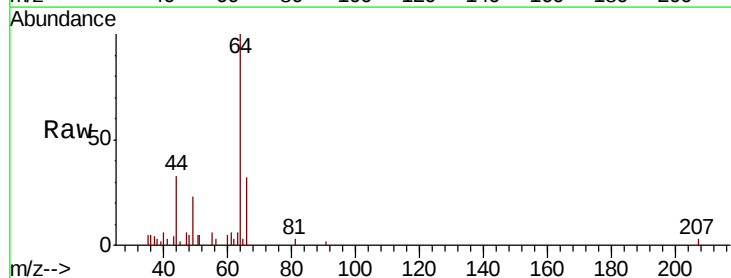
Acq: 03 Jun 2019 17:49

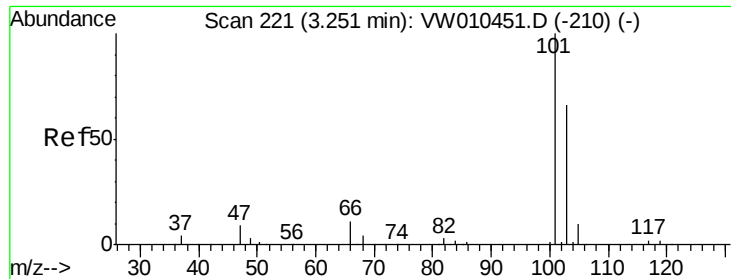
Tgt Ion: 64 Resp: 4575

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3



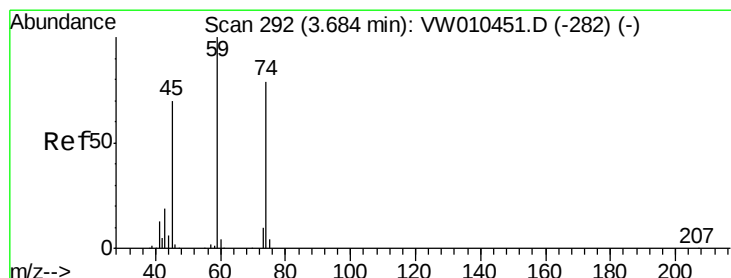
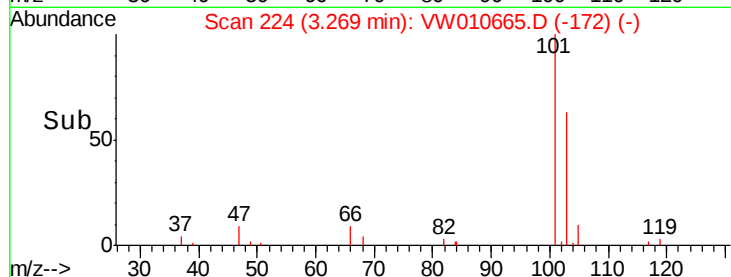
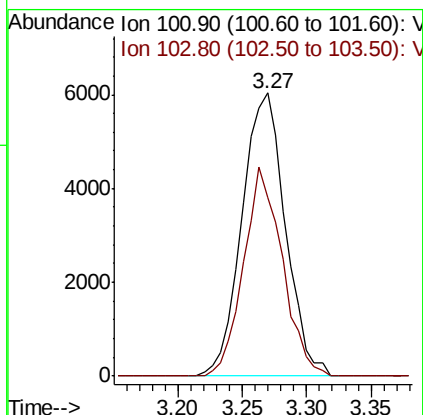
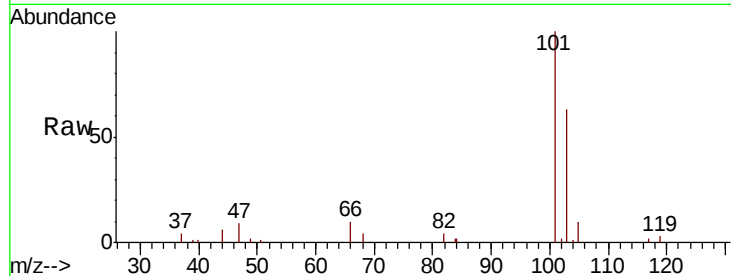


#7

Trichlorofluoromethane
 Concen: 54.933 ug/l
 RT: 3.27 min Scan# 224
 Delta R.T. 0.02 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Instrument :
 MSVOA_W
 ClientSampled :

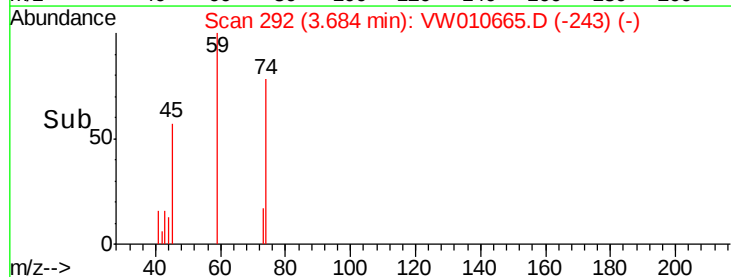
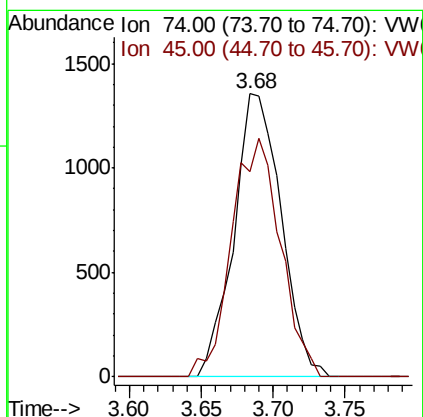
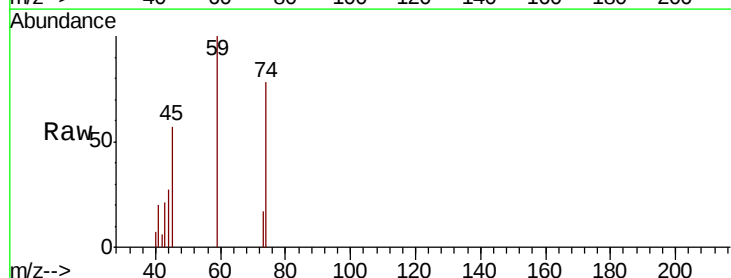
Tot Ion:101 Resp: 14061
 Ion Ratio Lower Upper
 101 100
 103 63.2 53.0 79.4

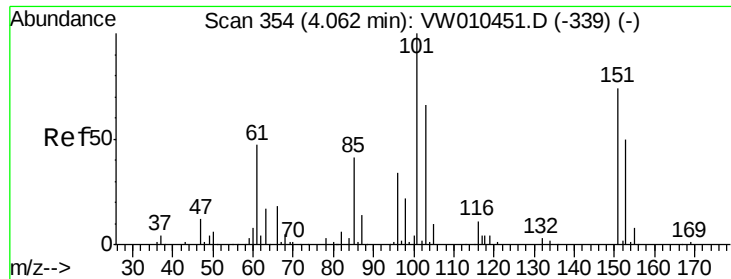


#8

Diethyl Ether
 Concen: 38.070 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion: 74 Resp: 3089
 Ion Ratio Lower Upper
 74 100
 45 87.3 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.158 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

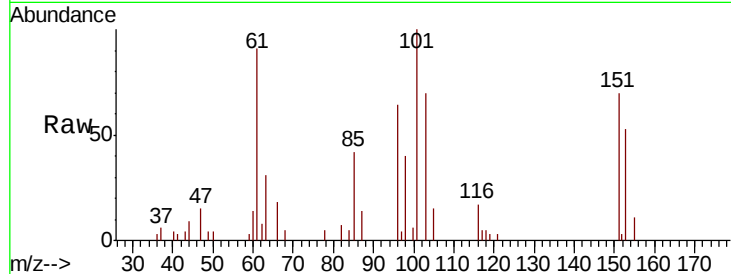
Tot Ion:101 Resp: 8222

Ion Ratio Lower Upper

101 100

85 44.1 34.3 51.5

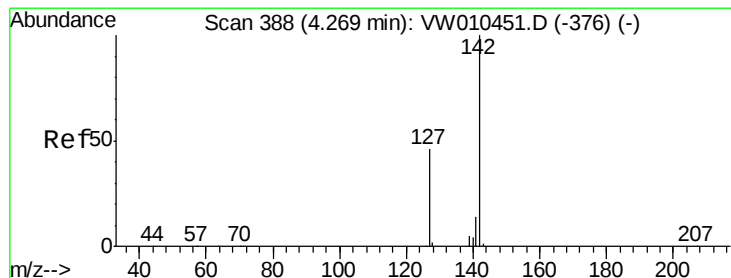
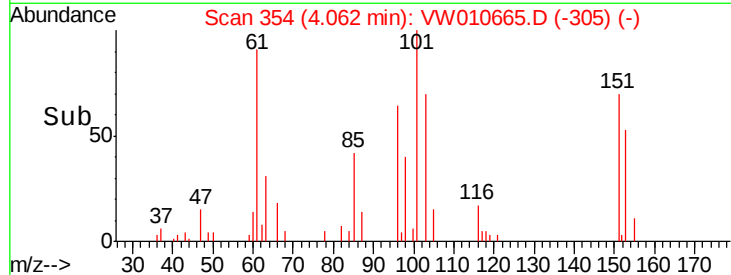
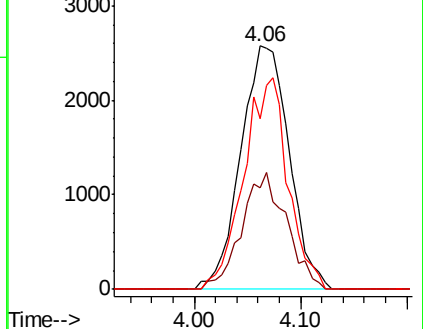
151 79.0 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.476 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

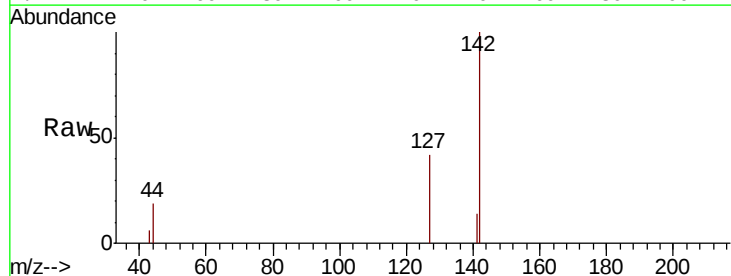
Tgt Ion:142 Resp: 3329

Ion Ratio Lower Upper

142 100

127 41.9 36.1 54.1

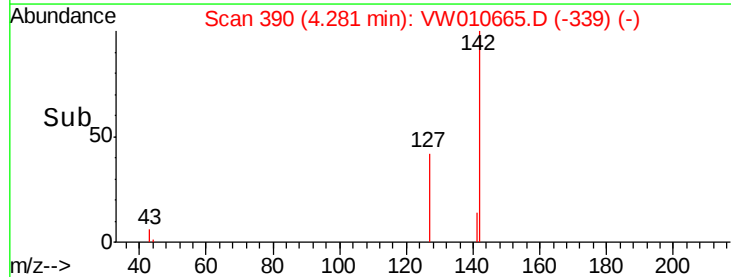
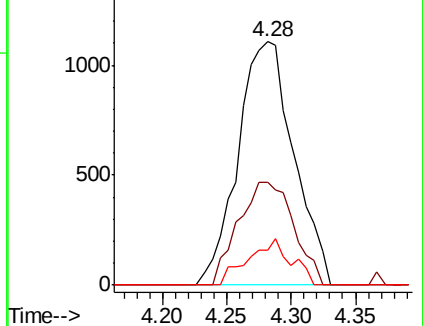
141 14.6 11.3 16.9

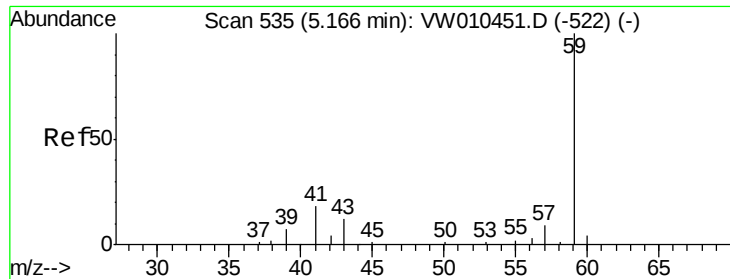


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



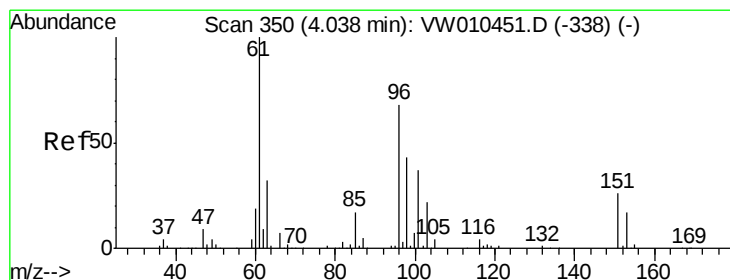
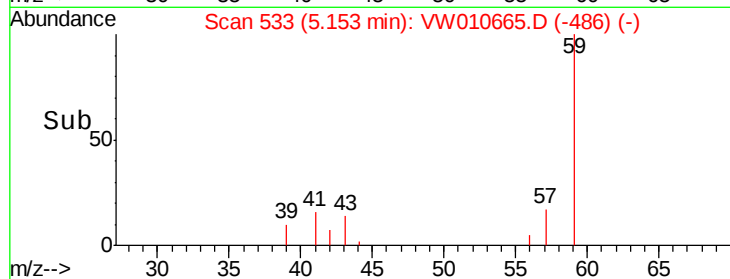
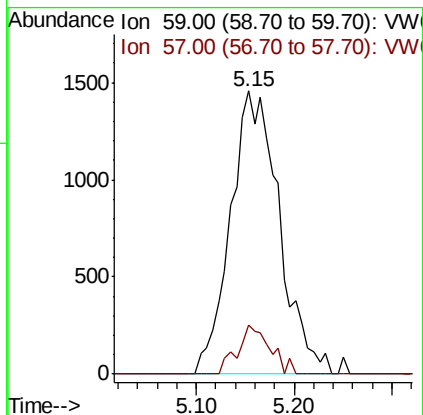
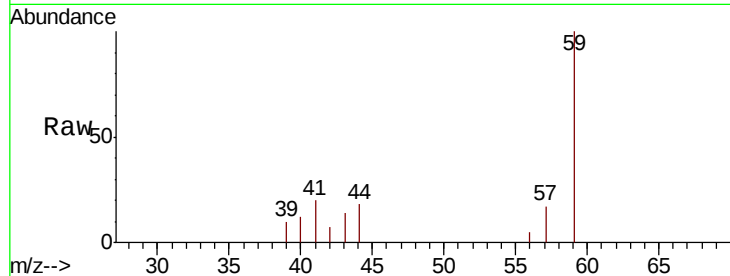


#11

Tert butyl alcohol
 Concen: 381.585 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Instrument :
 MSVOA_W
 ClientSampleId :

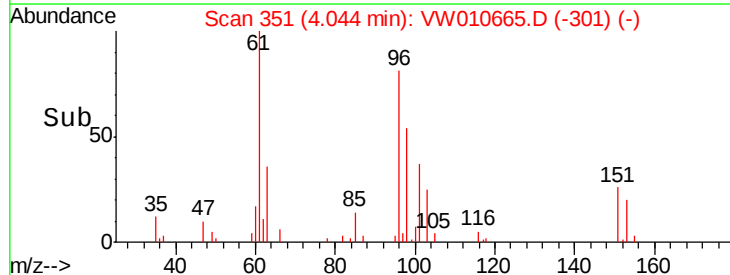
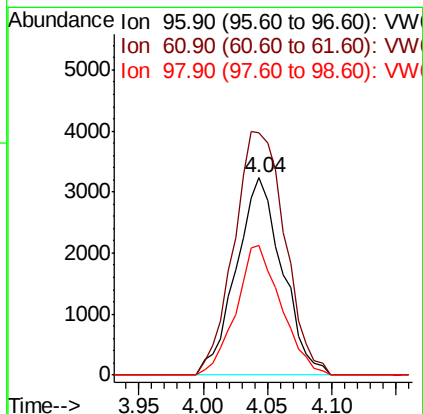
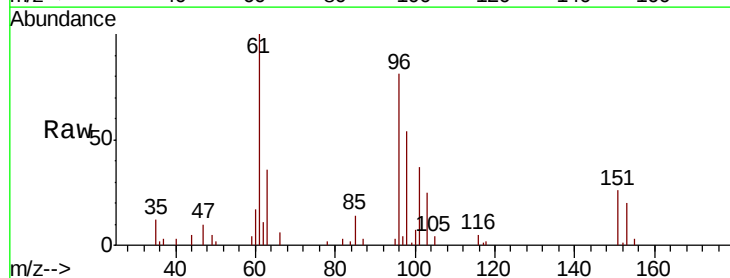
Tot Ion: 59 Resp: 5047
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.8 13.2

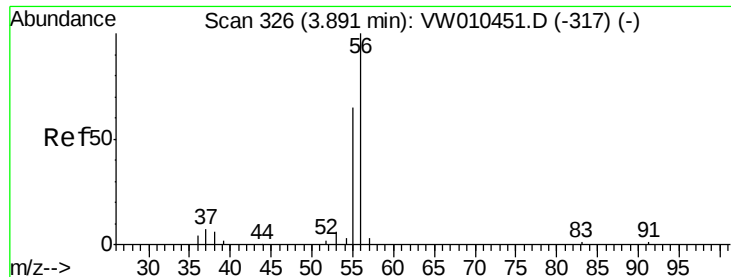


#12

1,1-Dichloroethene
 Concen: 53.311 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion: 96 Resp: 8022
 Ion Ratio Lower Upper
 96 100
 61 122.9 118.3 177.5
 98 66.0 51.0 76.6





#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 329

Delta R.T. 0.02 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

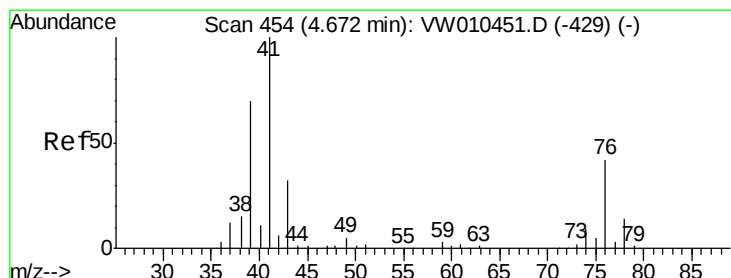
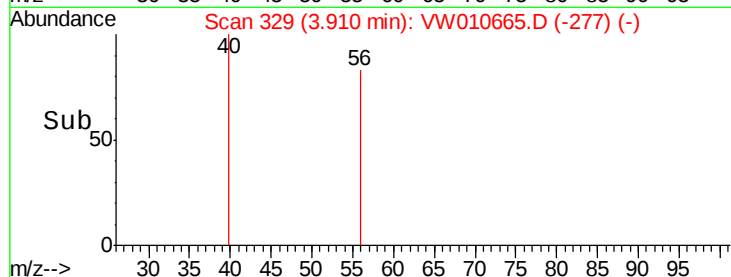
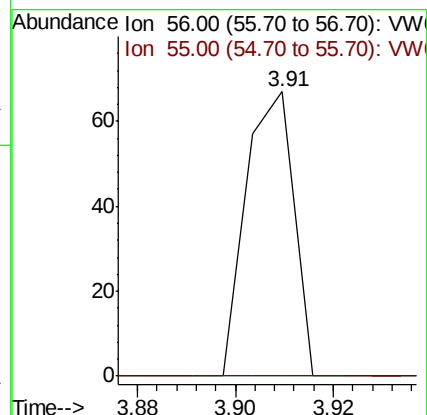
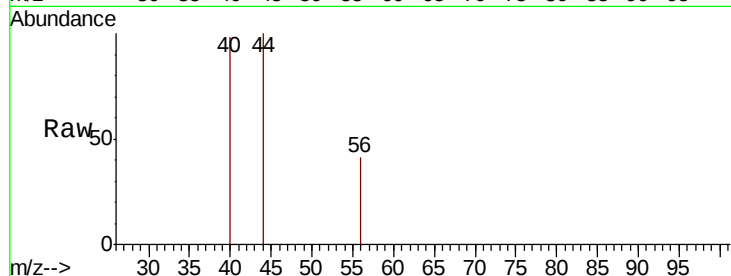
ClientSampleId :

Tot Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#14

Allyl chloride

Concen: 37.854 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

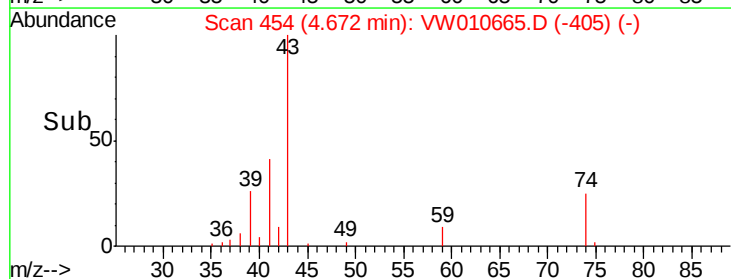
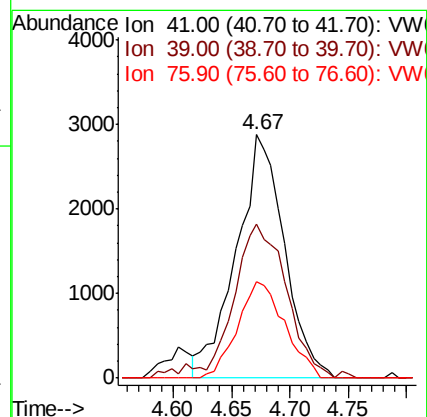
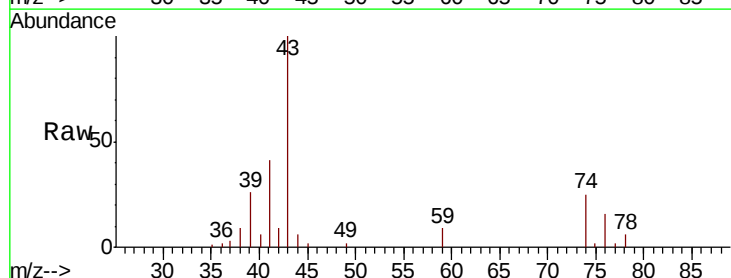
Tgt Ion: 41 Resp: 8245

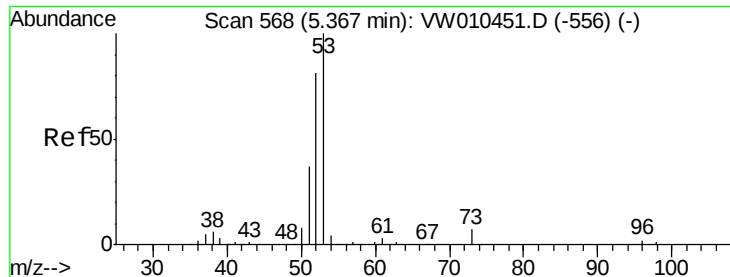
Ion Ratio Lower Upper

41 100

39 67.5 55.0 82.4

76 38.9 32.8 49.2





#15

Acrylonitrile

Concen: 338.039 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

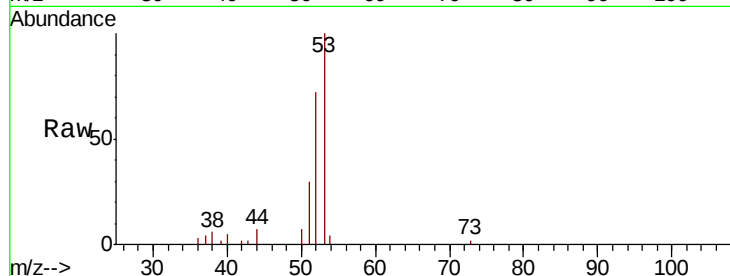
Tot Ion: 53 Resp: 11487

Ion Ratio Lower Upper

53 100

52 76.2 65.6 98.4

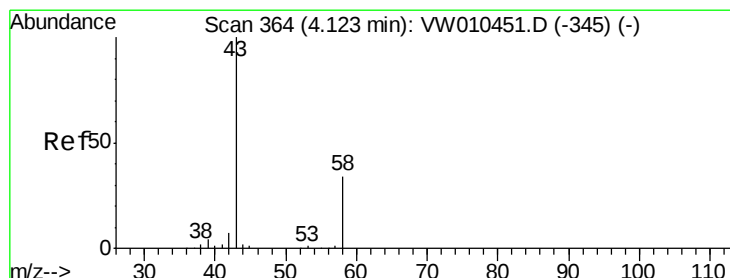
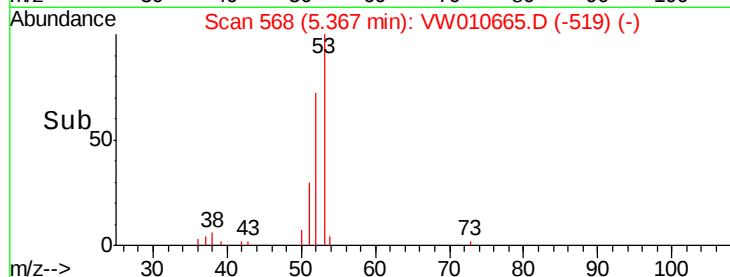
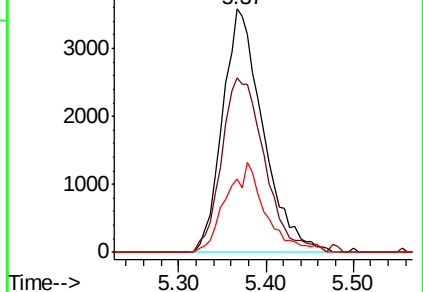
51 35.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 440.784 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010665.D

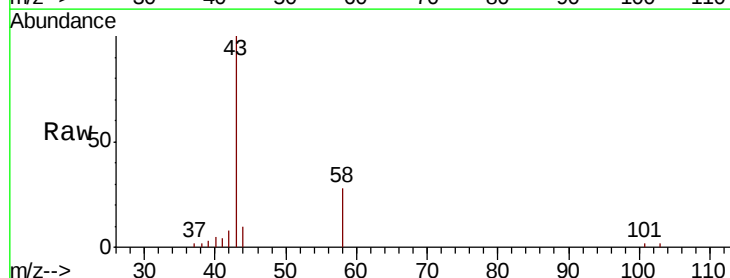
Acq: 03 Jun 2019 17:49

Tgt Ion: 43 Resp: 13230

Ion Ratio Lower Upper

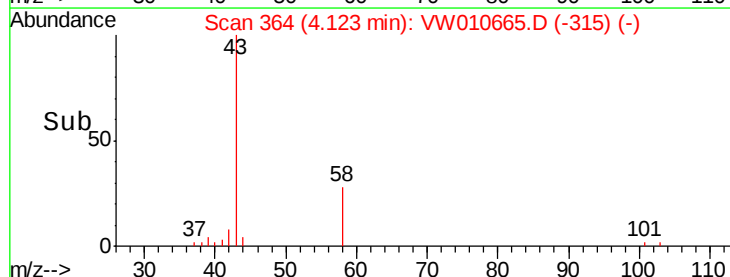
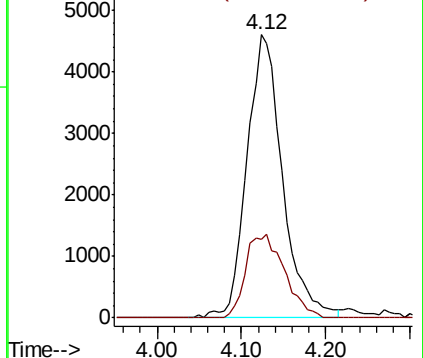
43 100

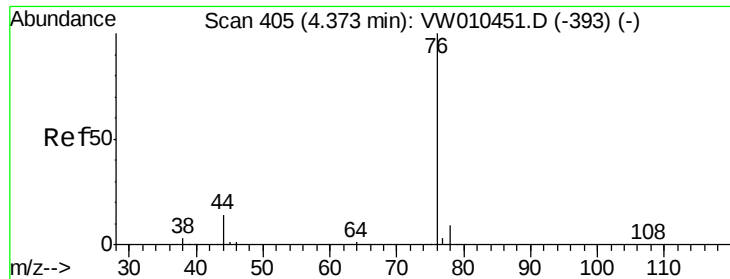
58 27.7 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

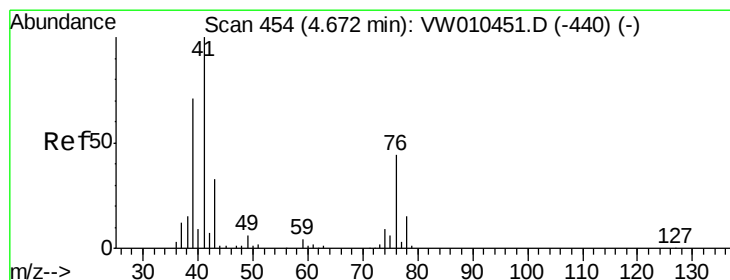
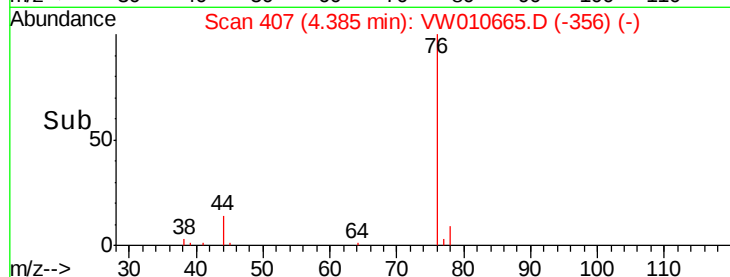
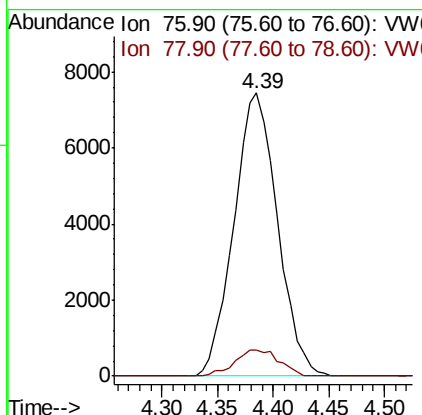
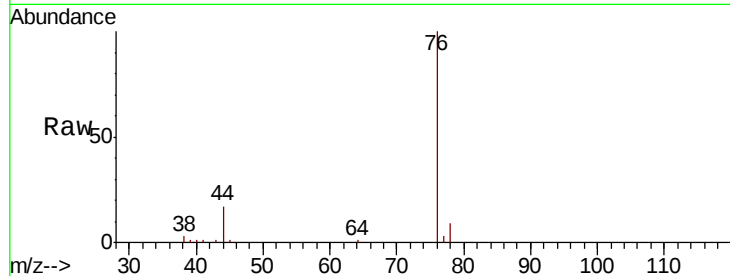




#17
Carbon Disulfide
Concen: 45.100 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

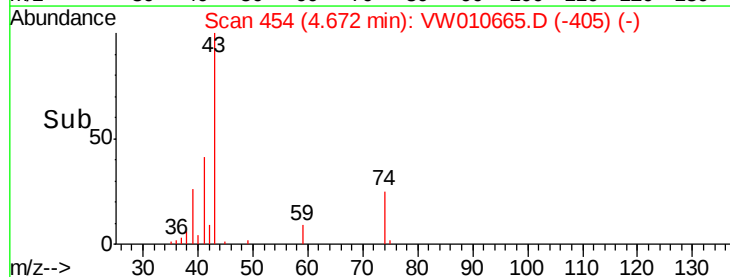
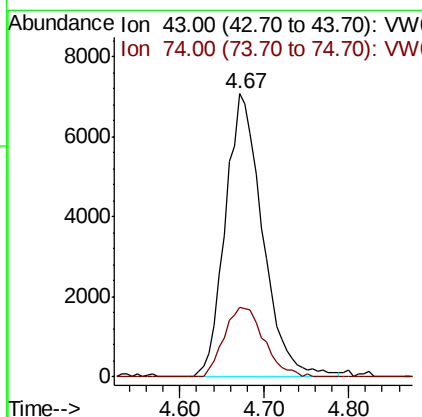
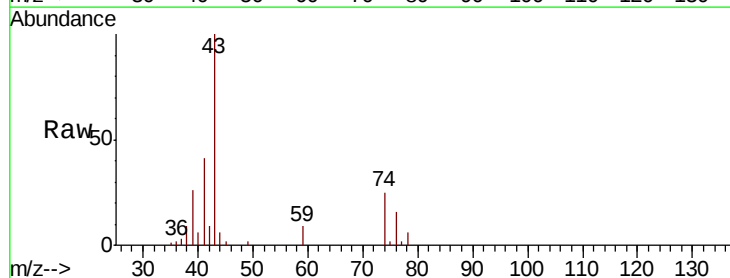
Instrument :
MSVOA_W
ClientSampleId :

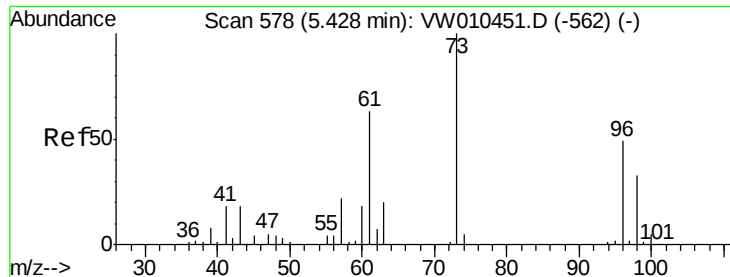
Tot Ion: 76 Resp: 20242
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 289.725 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 43 Resp: 21268
Ion Ratio Lower Upper
43 100
74 26.3 21.6 32.4

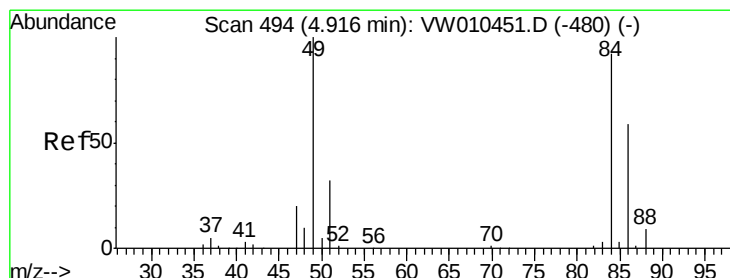
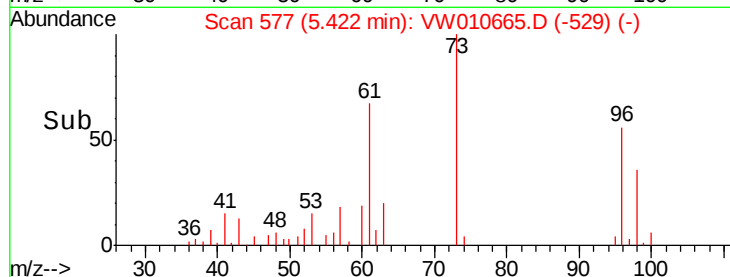
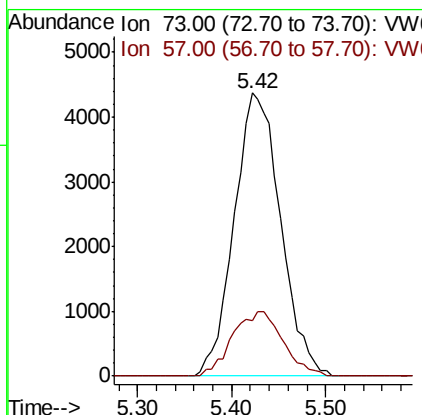
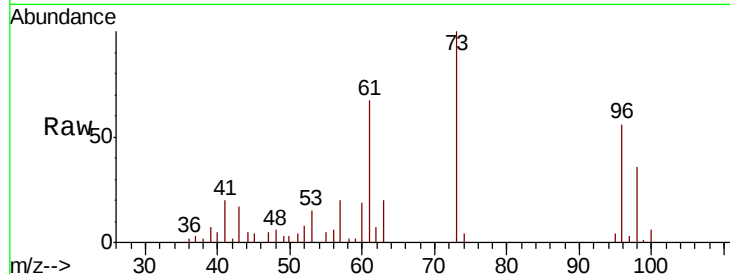




#19
Methyl tert-butyl Ether
Concen: 39.235 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

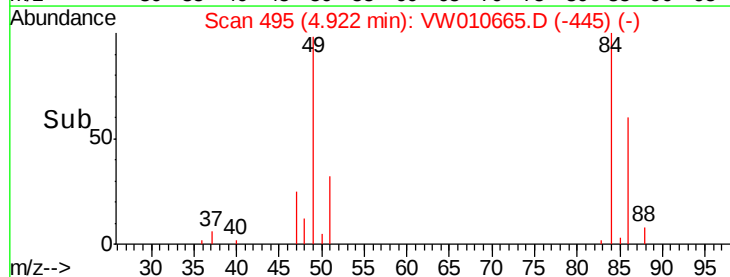
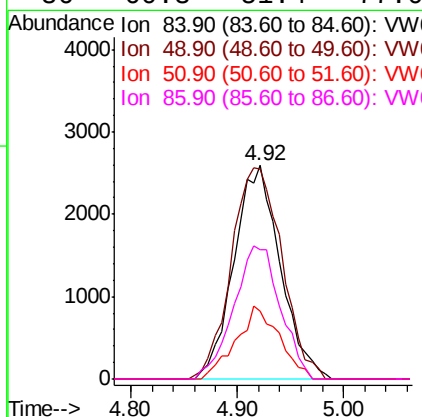
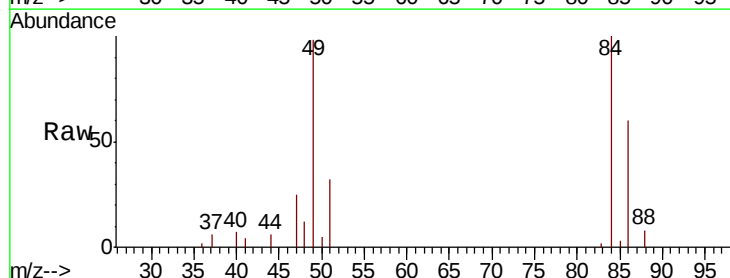
Instrument :
MSVOA_W
ClientSampled :

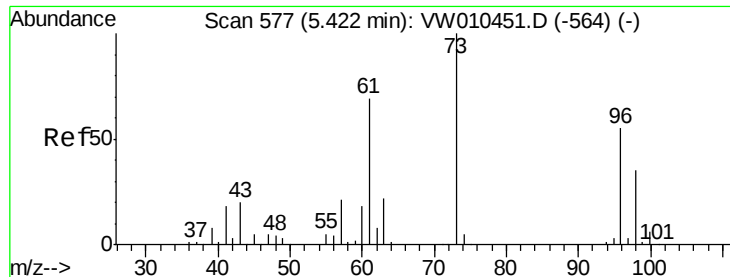
Tot Ion: 73 Resp: 15051
Ion Ratio Lower Upper
73 100
57 19.7 17.4 26.0



#20
Methylene Chloride
Concen: 44.322 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 84 Resp: 7907
Ion Ratio Lower Upper
84 100
49 98.3 87.2 130.8
51 31.9 27.7 41.5
86 60.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 45.510 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

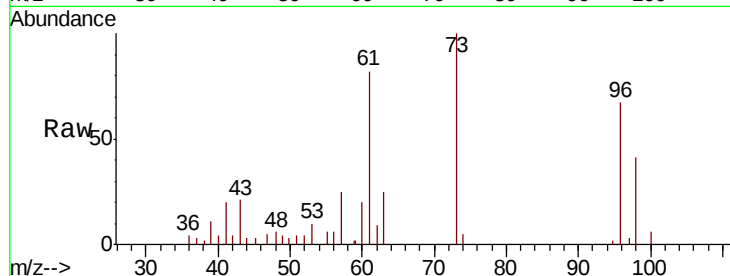
Tot Ion: 96 Resp: 7855

Ion Ratio Lower Upper

96 100

61 121.9 101.4 152.0

98 60.8 50.6 76.0

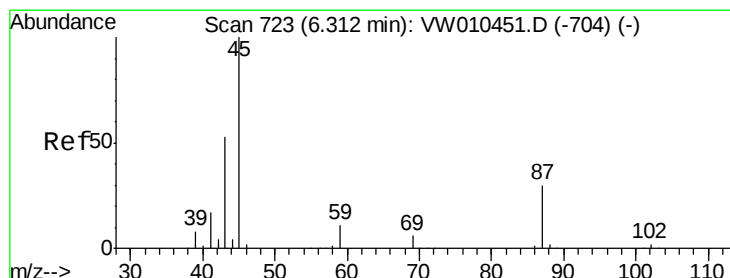
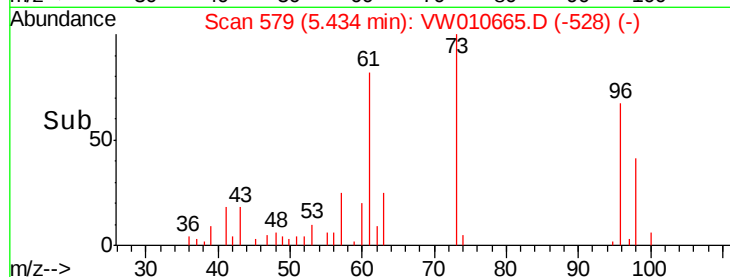
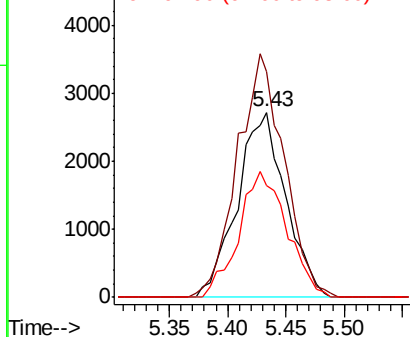


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 34.083 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Tgt Ion: 45 Resp: 15222

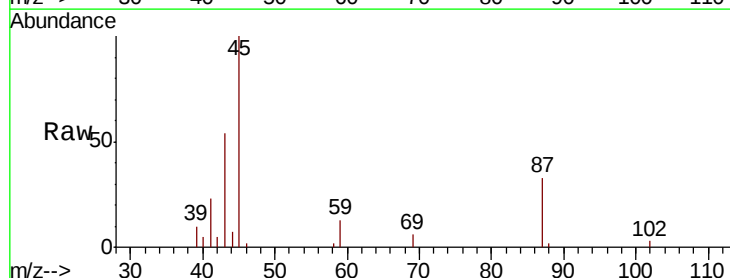
Ion Ratio Lower Upper

45 100

43 53.6 42.9 64.3

87 32.7 24.6 36.8

59 12.6 9.4 14.0



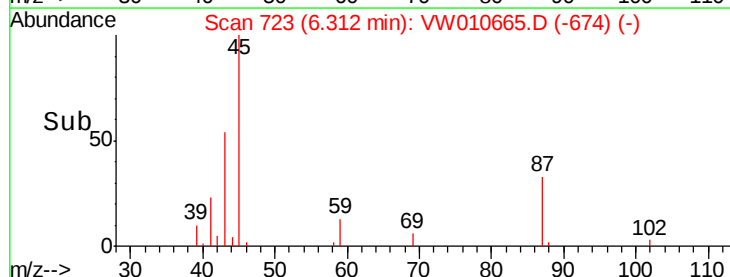
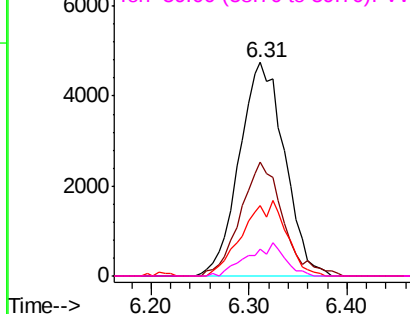
Abundance

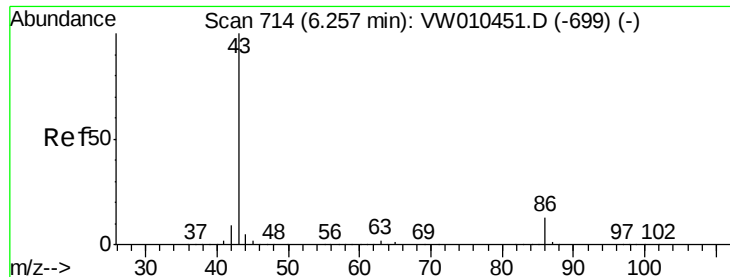
Ion 45.00 (44.70 to 45.70): VW

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: 28.619 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.05 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

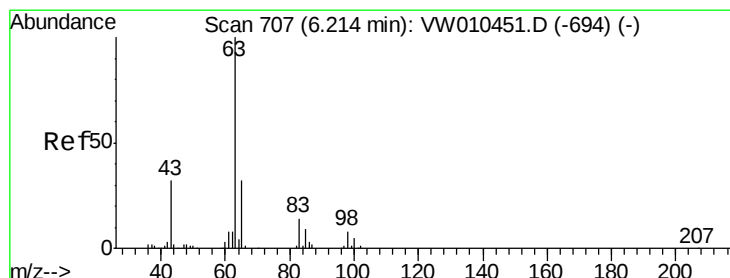
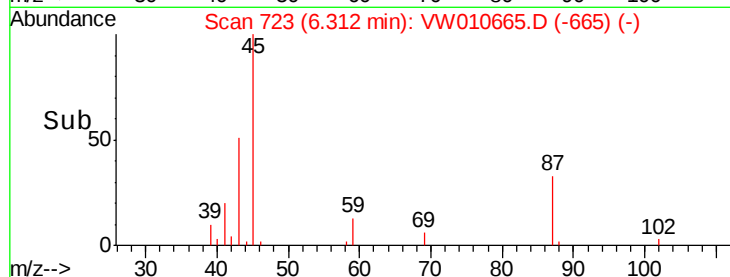
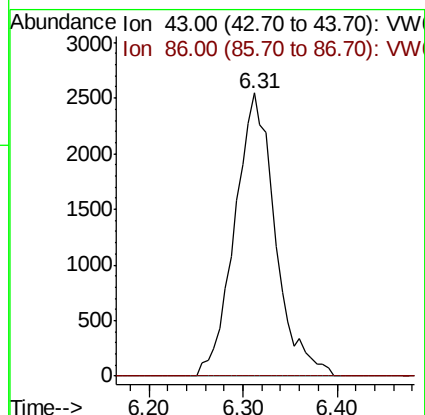
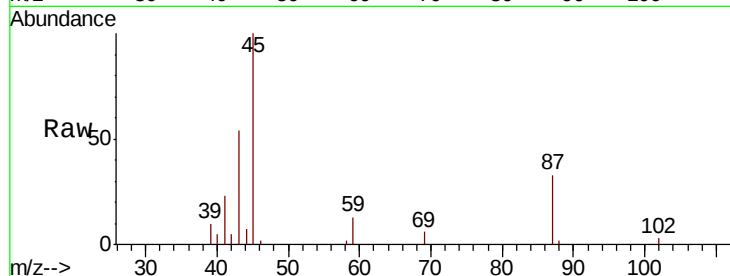
ClientSampleId :

Tot Ion: 43 Resp: 7635

Ion Ratio Lower Upper

43 100

86 0.0 10.3 15.5#



#24

1,1-Dichloroethane

Concen: 44.965 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

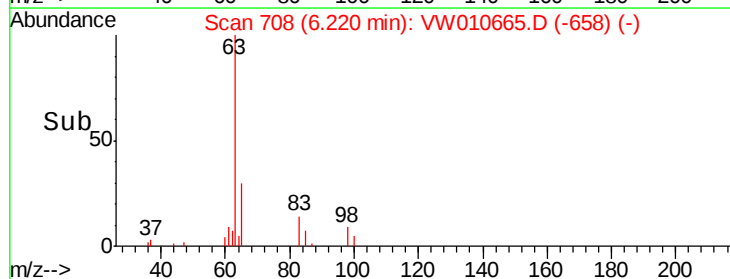
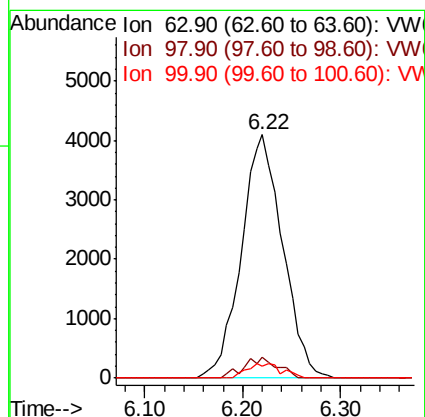
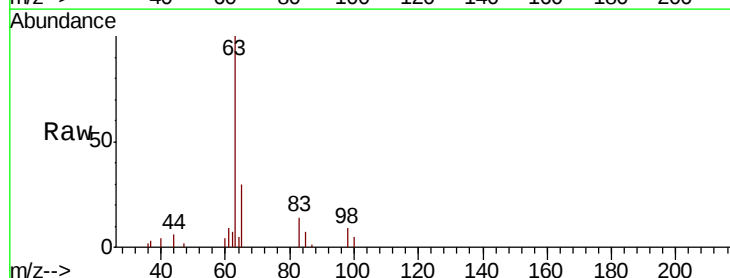
Tgt Ion: 63 Resp: 11984

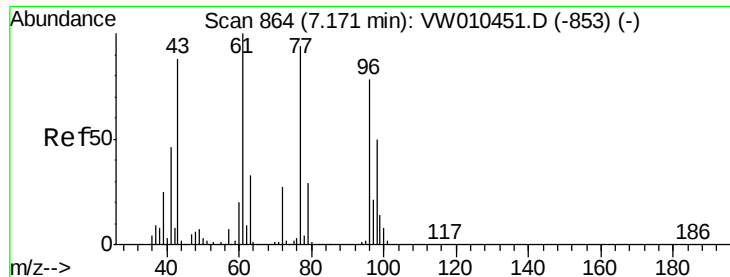
Ion Ratio Lower Upper

63 100

98 8.5 3.8 11.2

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 317.783 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

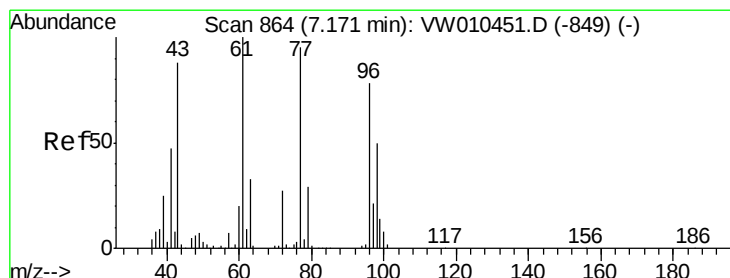
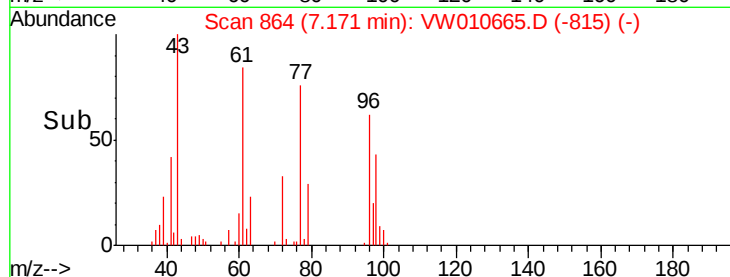
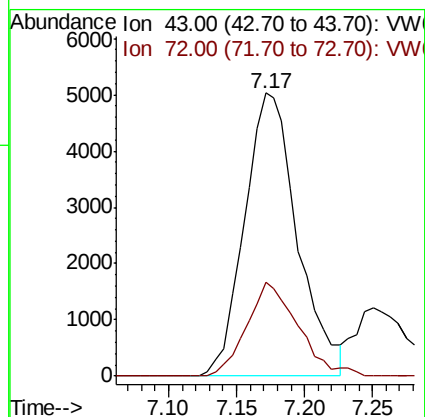
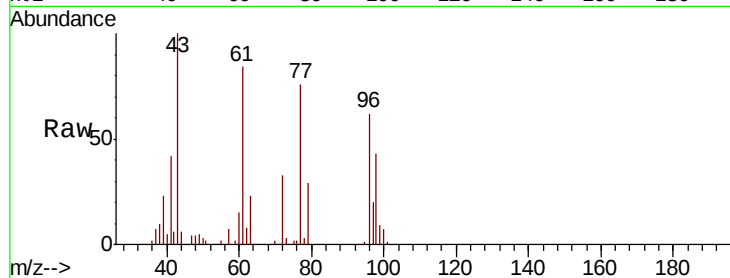
ClientSampled :

Tot Ion: 43 Resp: 13650

Ion Ratio Lower Upper

43 100

72 33.1 24.1 36.1



#26

2,2-Dichloropropane

Concen: 44.427 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010665.D

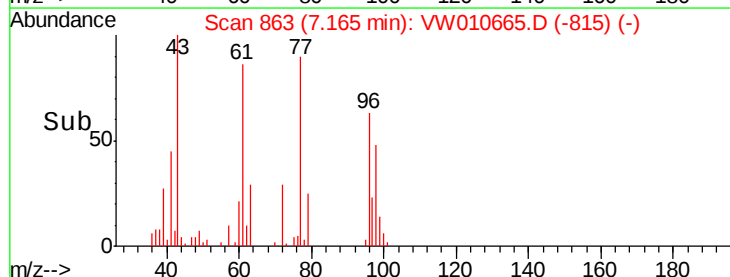
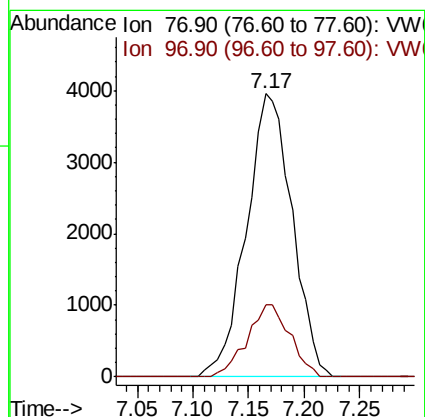
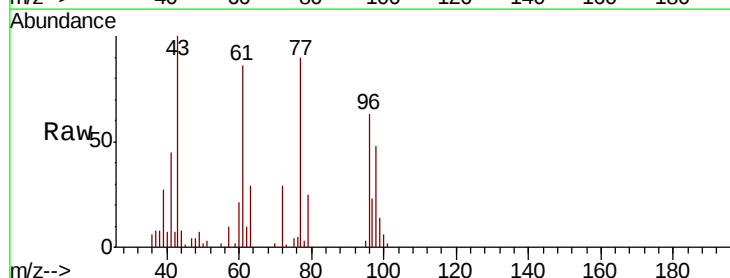
Acq: 03 Jun 2019 17:49

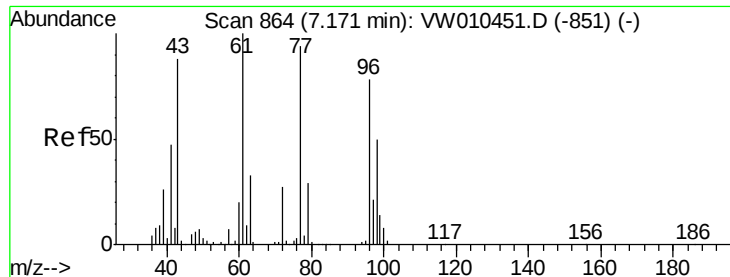
Tgt Ion: 77 Resp: 11279

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.0



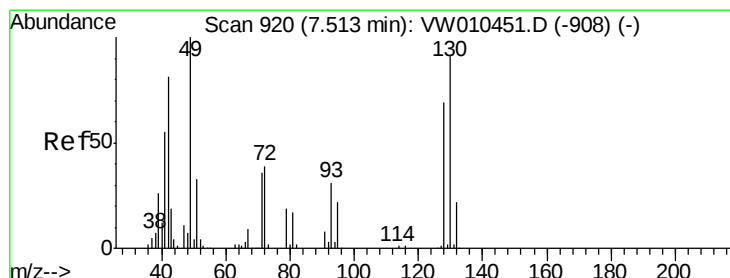
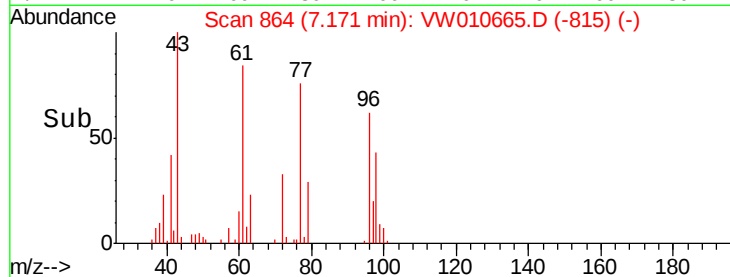
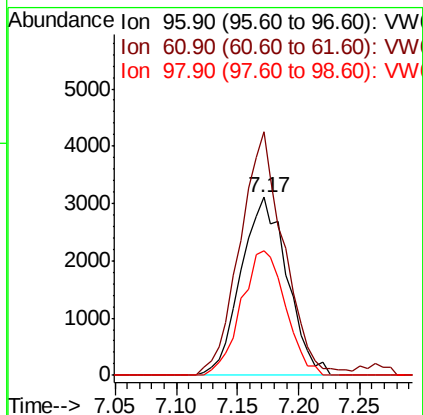
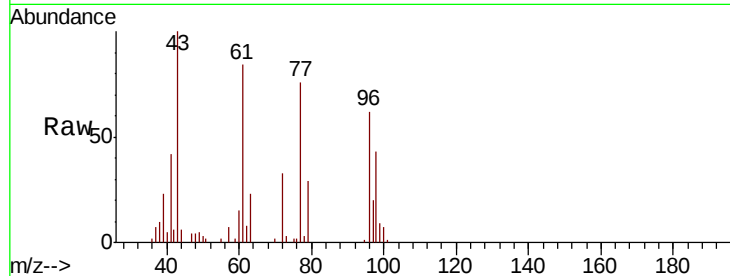


#27

cis-1,2-Dichloroethene
Concen: 43.508 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Instrument :
MSVOA_W
ClientSampled :

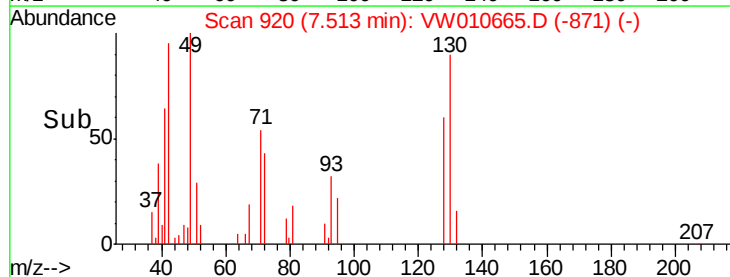
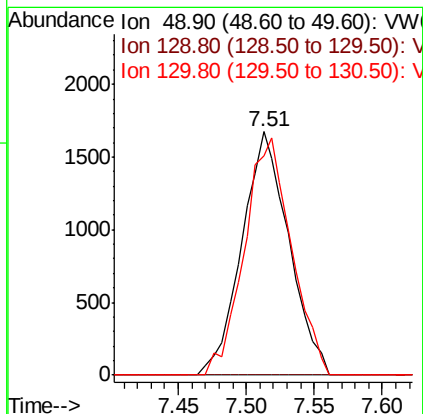
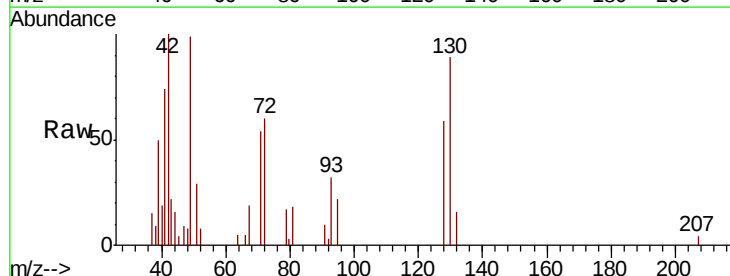
Tot Ion: 96 Resp: 8164
Ion Ratio Lower Upper
96 100
61 130.5 0.0 265.4
98 66.8 0.0 129.4

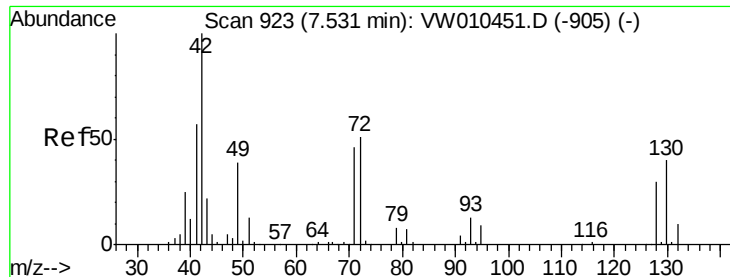


#28

Bromochloromethane
Concen: 42.348 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 49 Resp: 4041
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 97.7 71.2 106.8

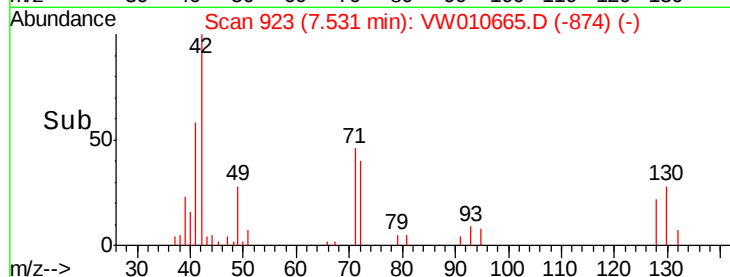
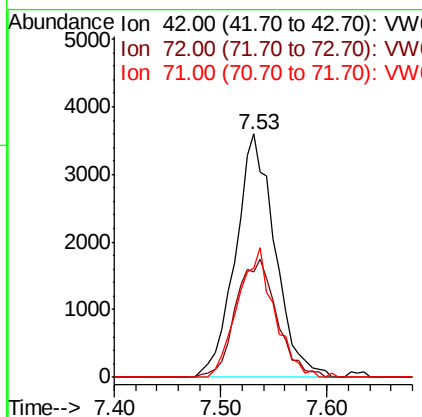
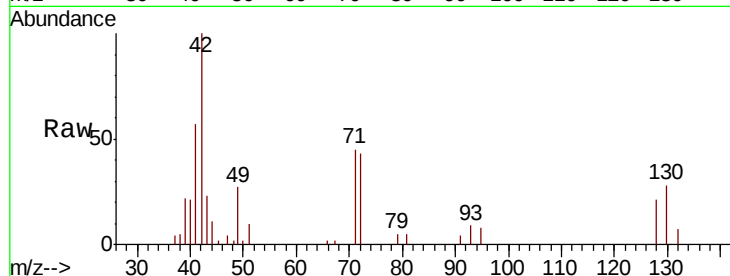




#29
Tetrahydrofuran
Concen: 322.819 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

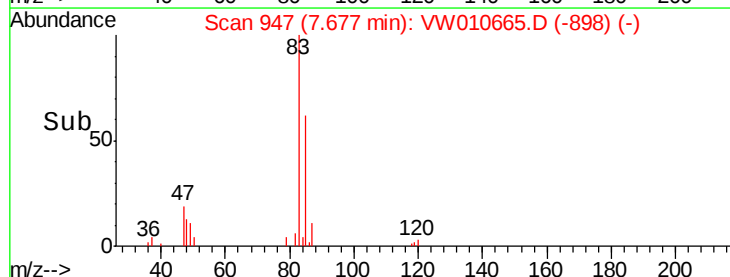
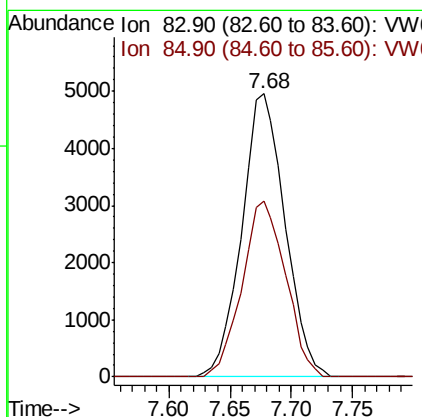
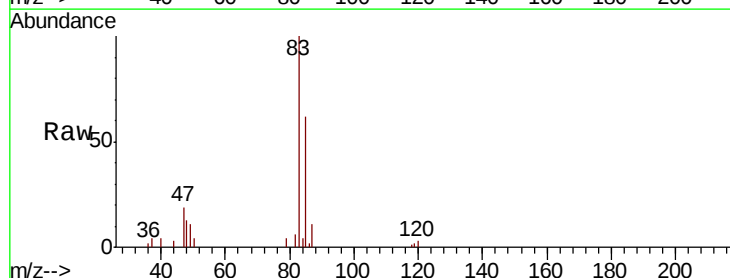
Instrument :
MSVOA_W
ClientSampled :

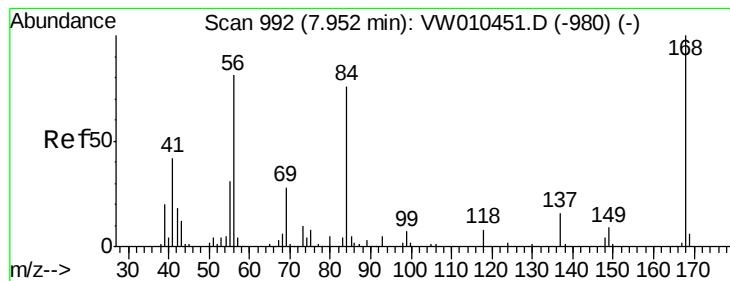
Tot Ion: 42 Resp: 9383
Ion Ratio Lower Upper
42 100
72 50.3 38.5 57.7
71 49.0 36.5 54.7



#30
Chloroform
Concen: 42.396 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 83 Resp: 12188
Ion Ratio Lower Upper
83 100
85 62.0 52.2 78.4





#31

Cyclohexane

Concen: 43.087 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

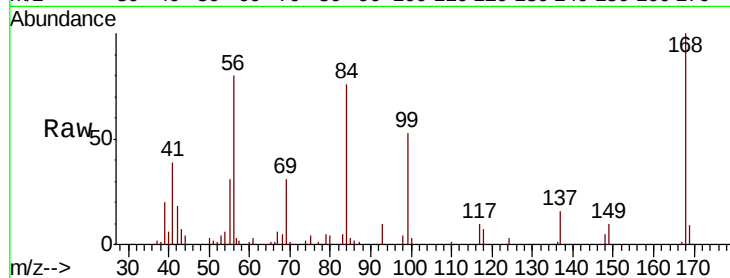
Tot Ion: 56 Resp: 12029

Ion Ratio Lower Upper

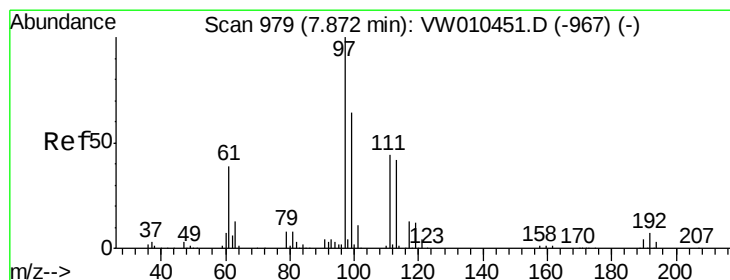
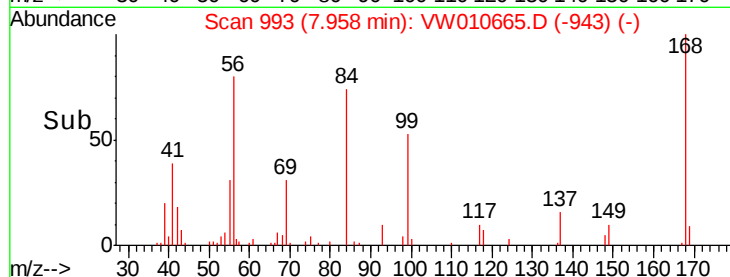
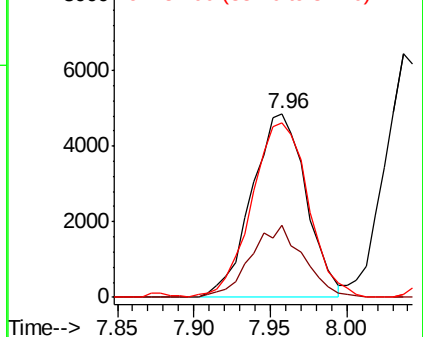
56 100

69 38.9 28.2 42.2

84 94.9 75.8 113.8



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: 45.311 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

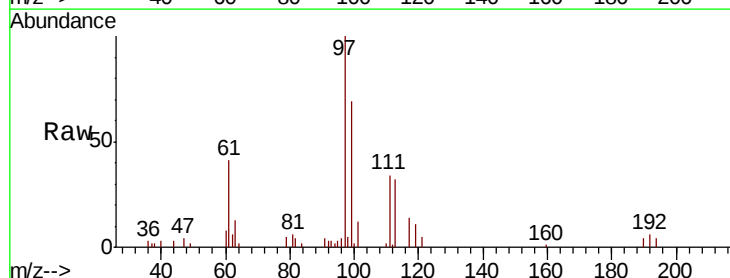
Tgt Ion: 97 Resp: 12450

Ion Ratio Lower Upper

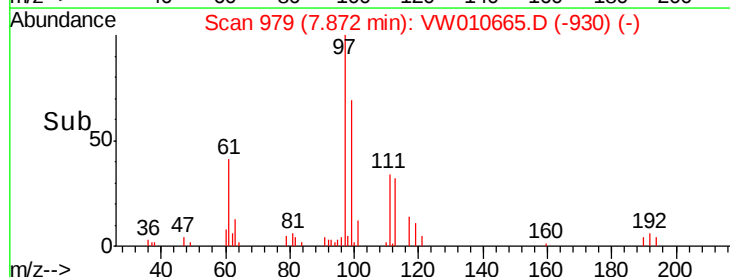
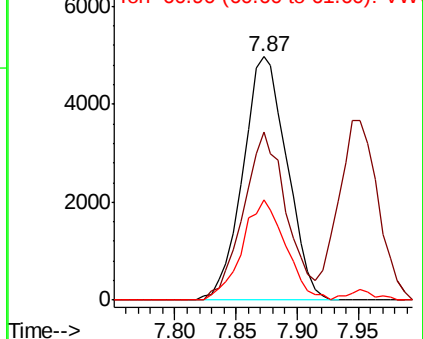
97 100

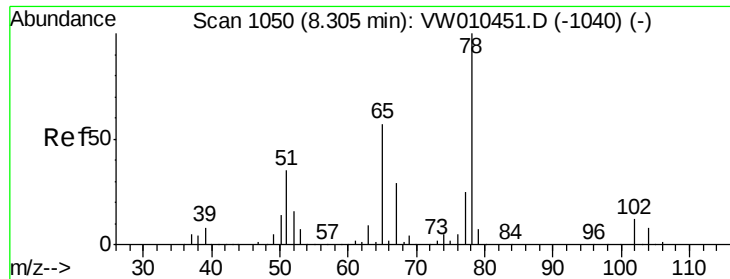
99 67.9 50.8 76.2

61 40.5 32.1 48.1



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

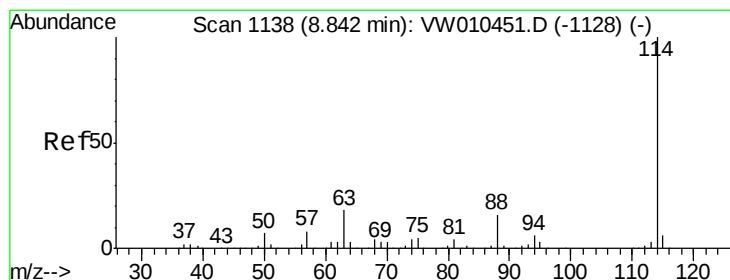
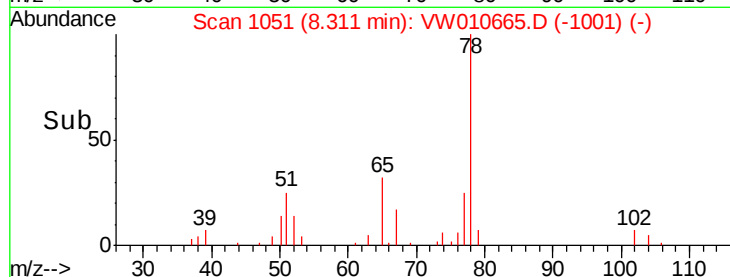
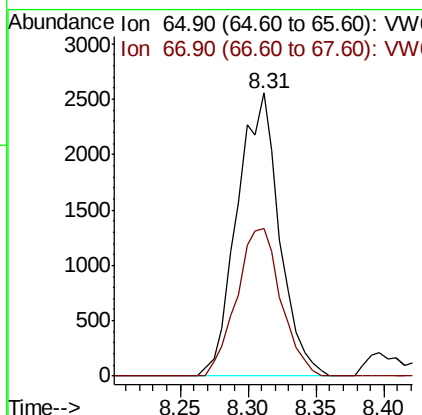
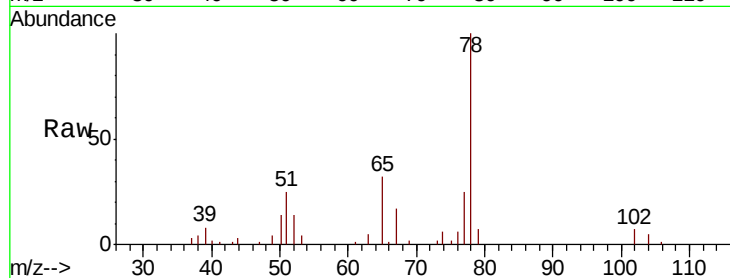




#33
 1,2-Dichloroethane-d4
 Concen: 37.744 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

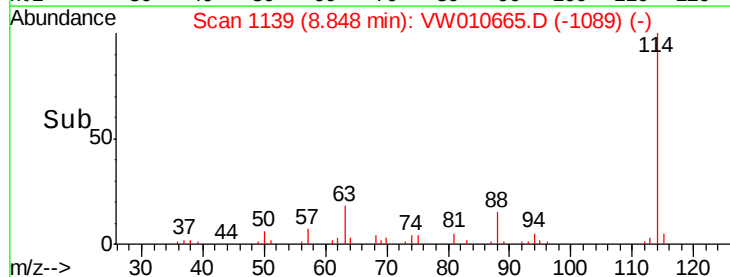
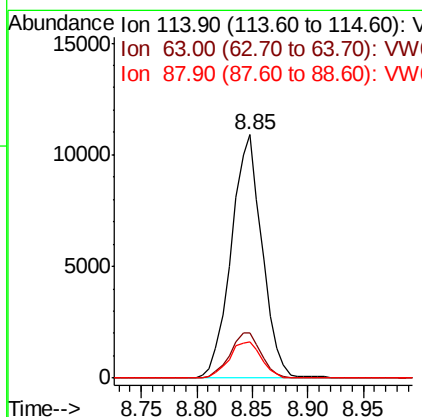
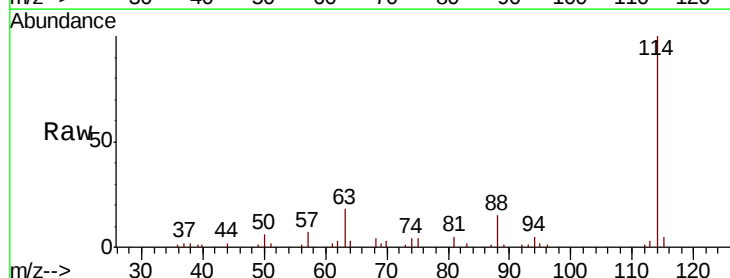
Instrument :
 MSVOA_W
 ClientSampled :

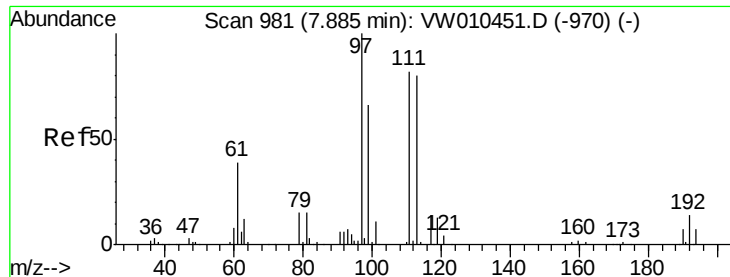
Tot Ion: 65 Resp: 5550
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion: 114 Resp: 20908
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 44.039 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

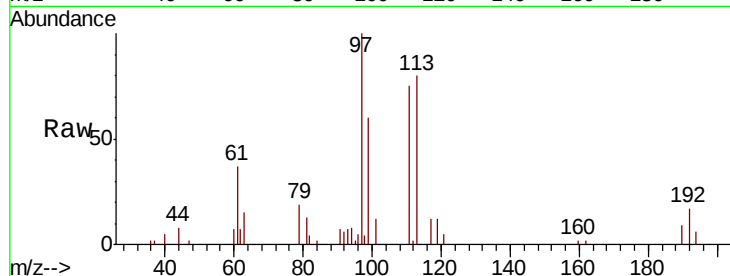
Tot Ion:113 Resp: 5587

Ion Ratio Lower Upper

113 100

111 108.9 82.2 123.4

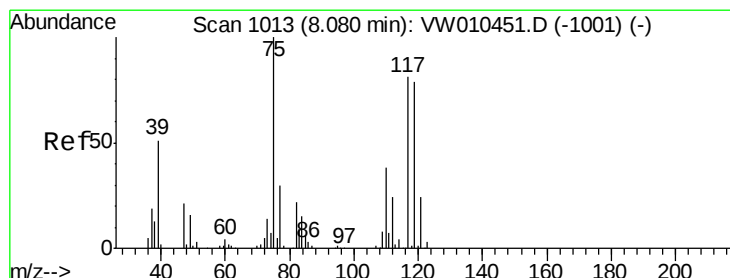
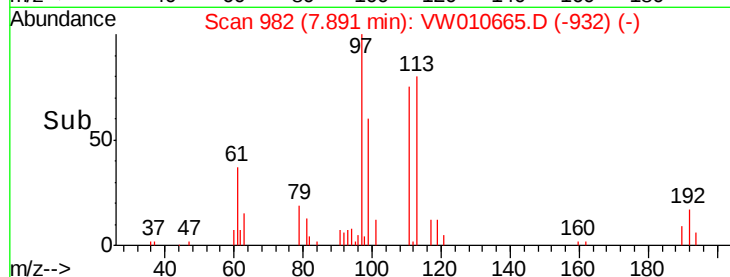
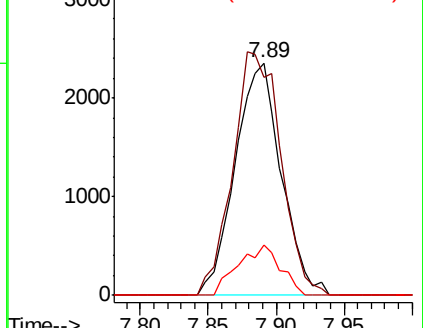
192 19.8 14.3 21.5



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: 53.268 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

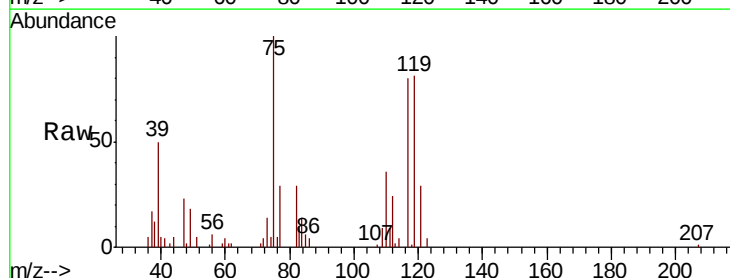
Tgt Ion: 75 Resp: 10375

Ion Ratio Lower Upper

75 100

110 41.9 19.2 57.6

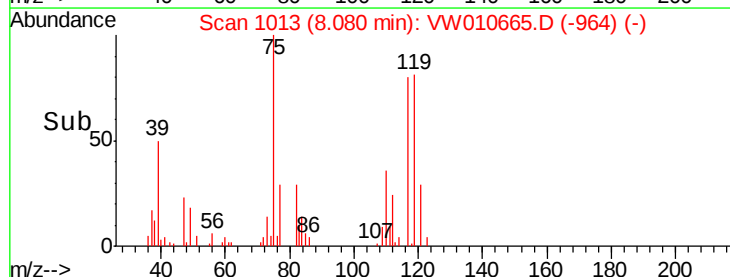
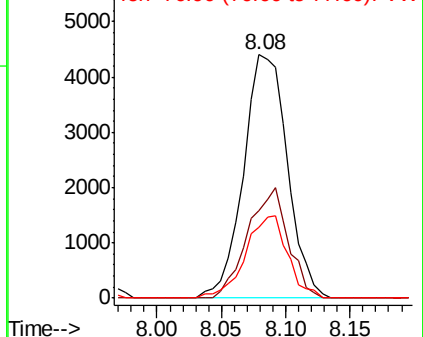
77 32.3 25.2 37.8

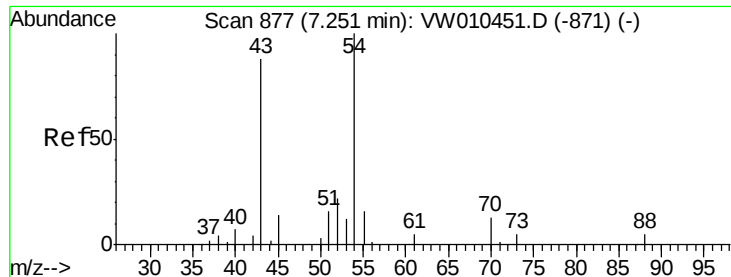


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

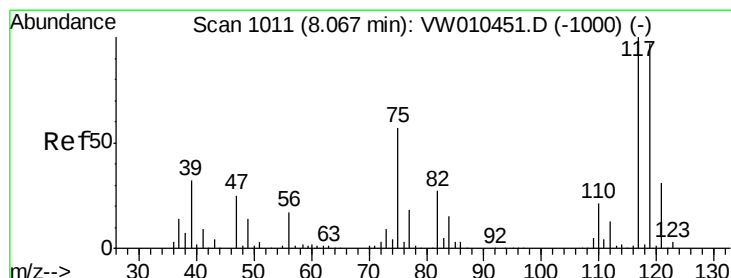
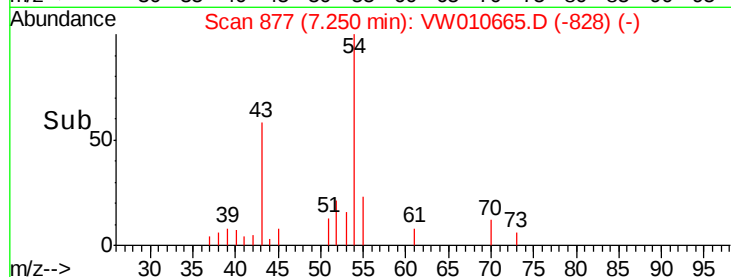
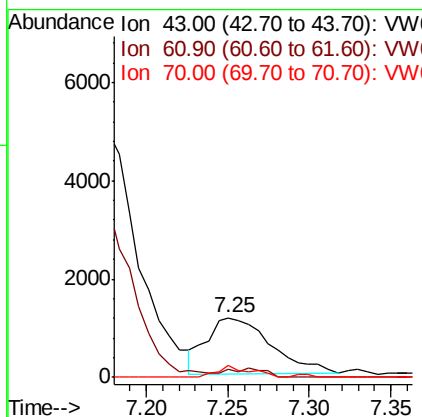
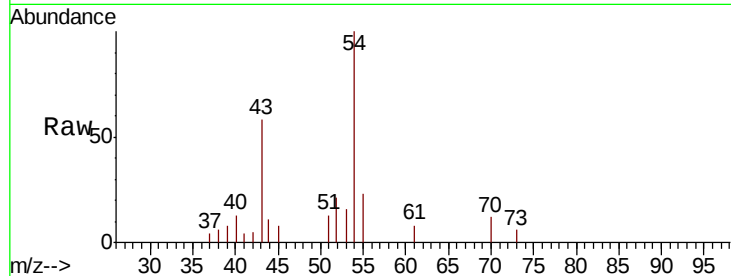




#37
Ethyl Acetate
Concen: 37.682 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

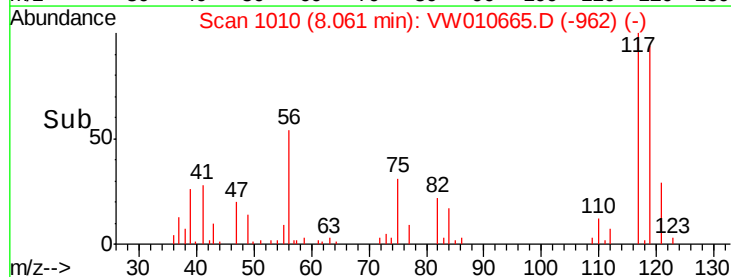
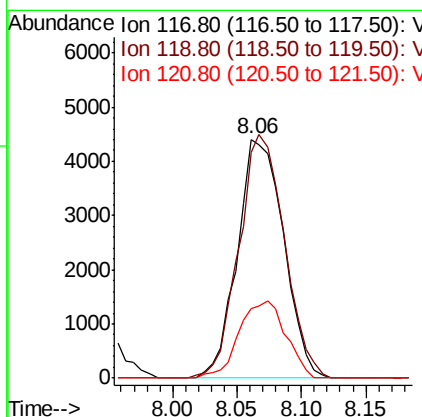
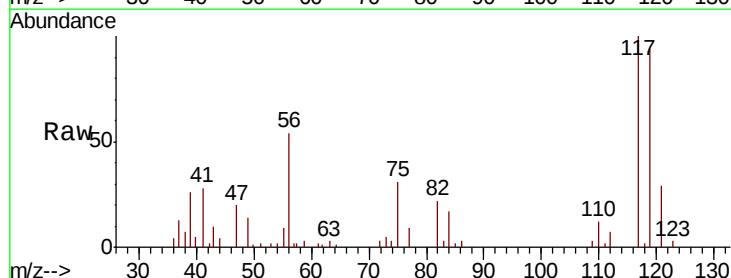
Instrument :
MSVOA_W
ClientSampleId :

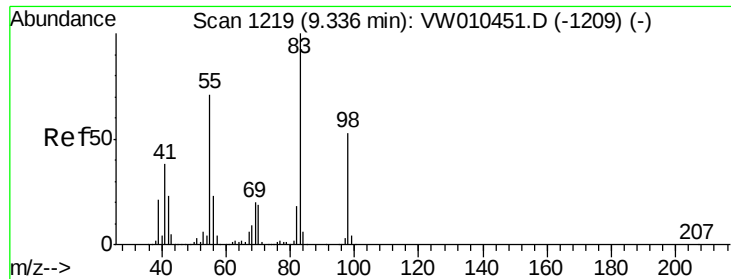
Tot Ion: 43 Resp: 3121
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 11.0 9.9 14.9



#38
Carbon Tetrachloride
Concen: 52.255 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 117 Resp: 10979
Ion Ratio Lower Upper
117 100
119 94.4 77.4 116.0
121 28.9 25.0 37.6

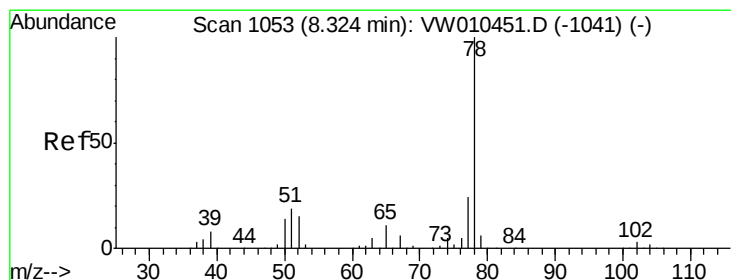
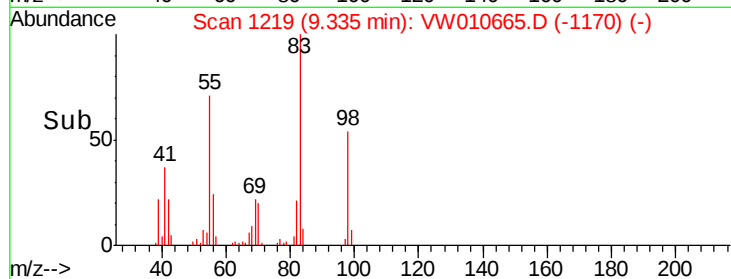
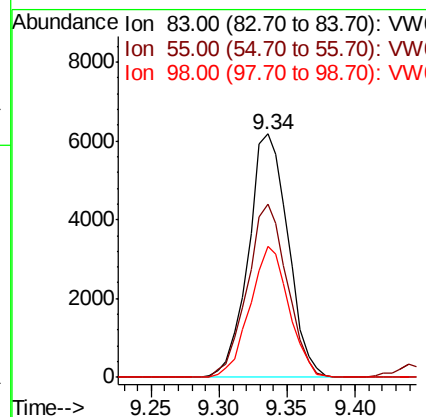
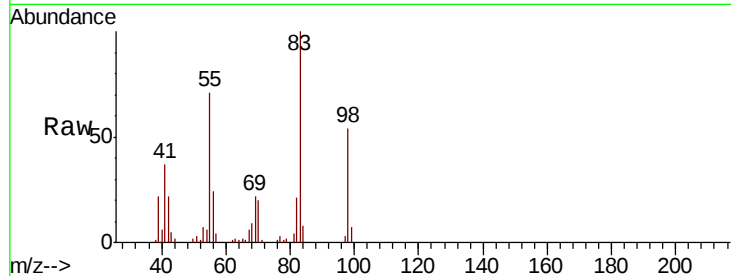




#39
Methvlcvclohexane
Concen: 48.329 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

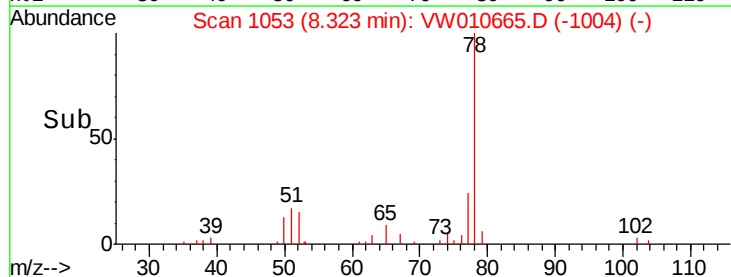
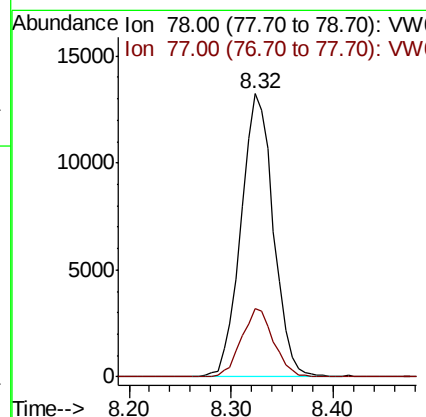
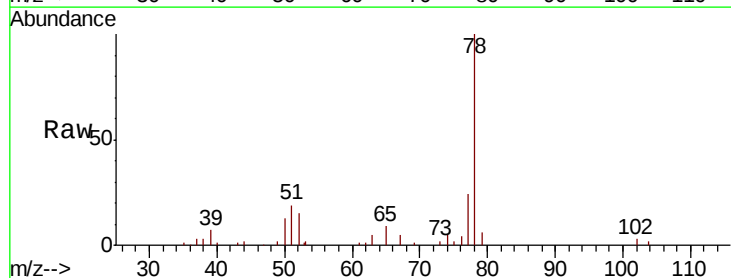
Instrument :
MSVOA_W
ClientSampleId :

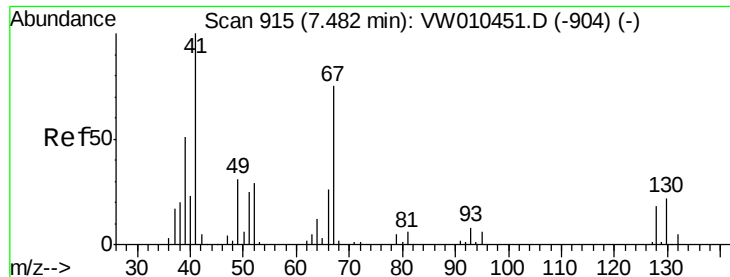
Tot Ion: 83 Resp: 12611
Ion Ratio Lower Upper
83 100
55 71.2 57.0 85.6
98 53.6 42.0 63.0



#40
Benzene
Concen: 53.864 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 78 Resp: 29159
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3

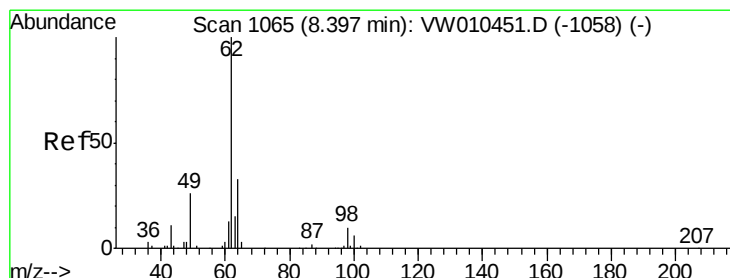
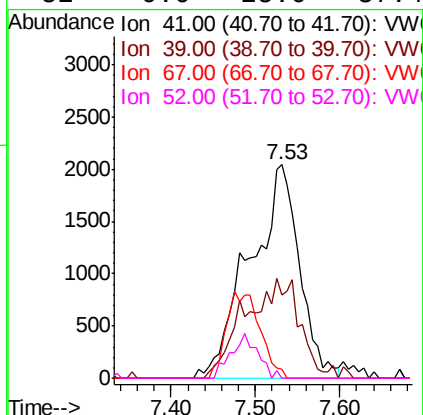
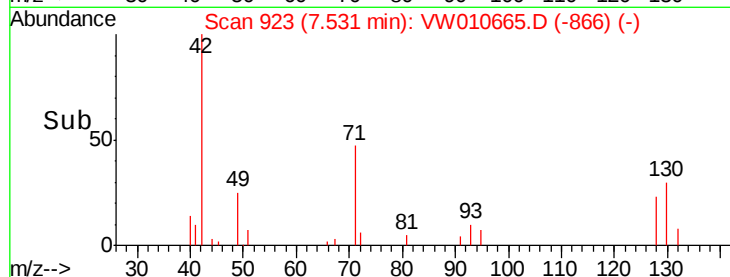
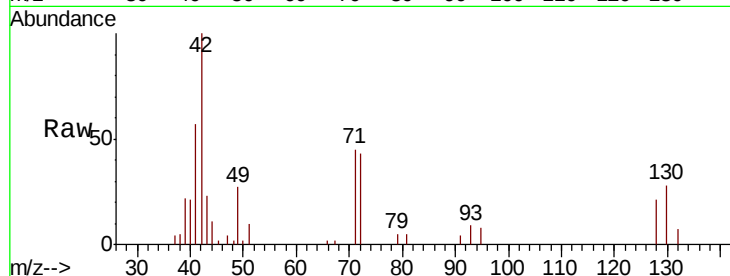




#41
Methacrylonitrile
Concen: 167.621 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

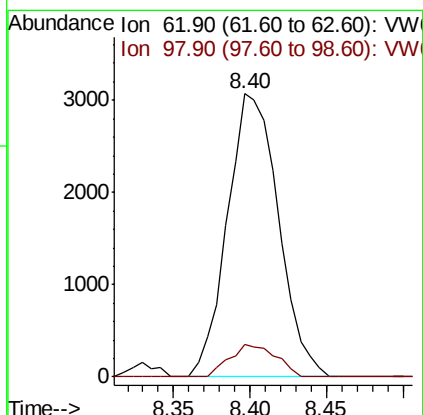
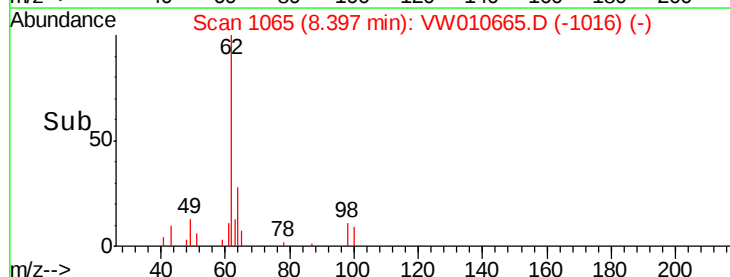
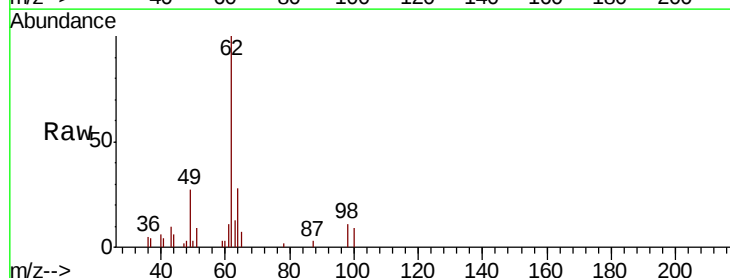
Instrument :
MSVOA_W
ClientSampled :

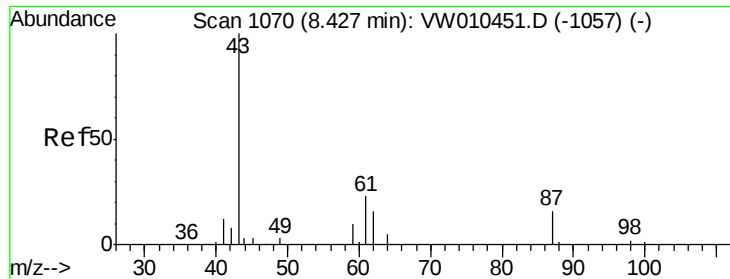
Tot Ion: 41 Resp: 8249
Ion Ratio Lower Upper
41 100
39 27.7 47.4 71.2#
67 0.0 65.5 98.3#
52 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 45.998 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 62 Resp: 7117
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.0



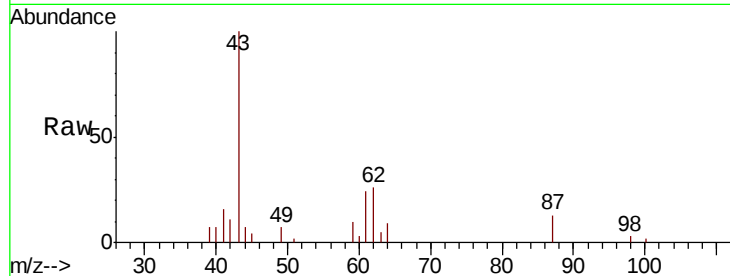


#43

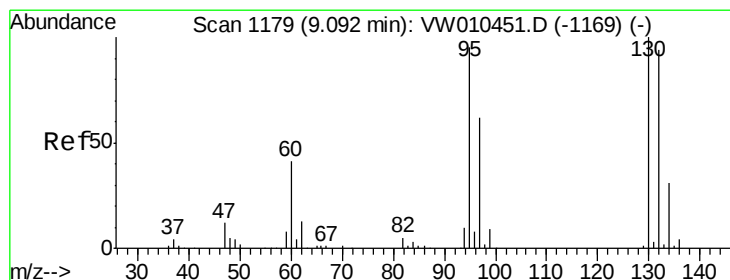
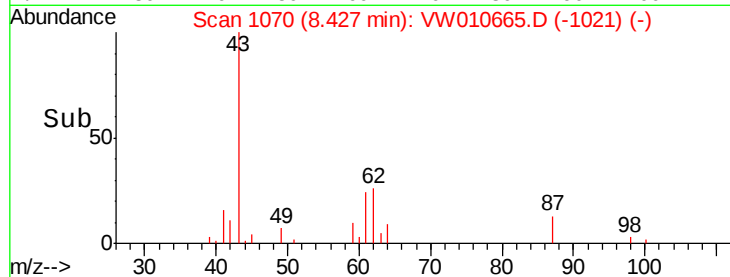
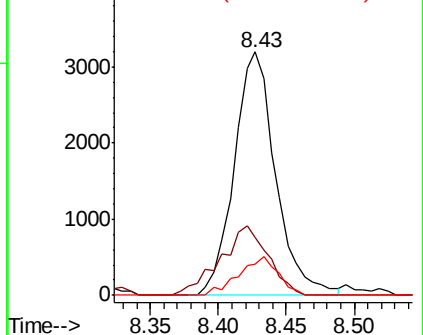
Isopropyl Acetate
 Concen: 41.126 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 43 Resp: 6805
 Ion Ratio Lower Upper
 43 100
 61 32.8 25.4 38.2
 87 15.0 12.7 19.1



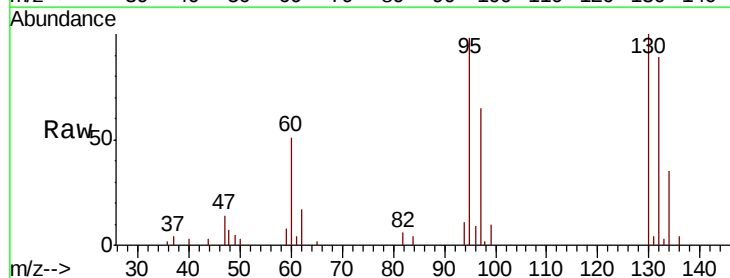
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 87.00 (86.70 to 87.70): VW



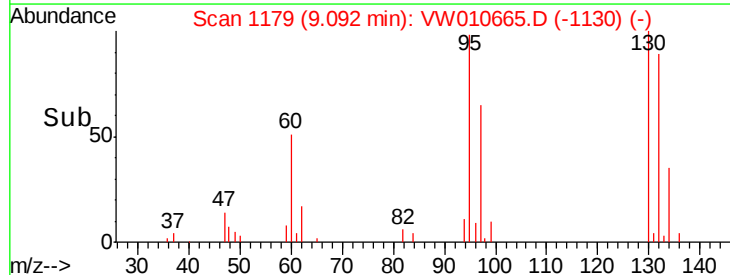
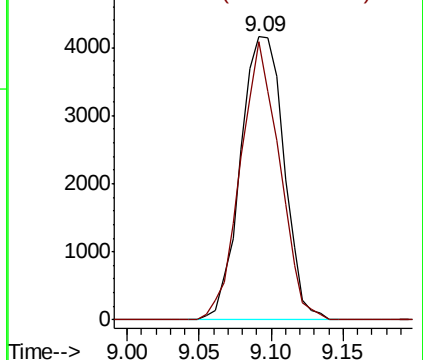
#44

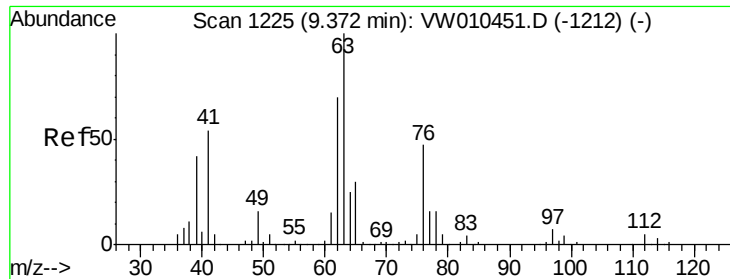
Trichloroethene
 Concen: 54.102 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion: 130 Resp: 8695
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 189.6



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

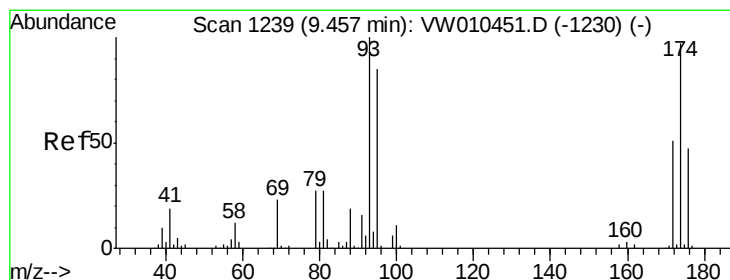
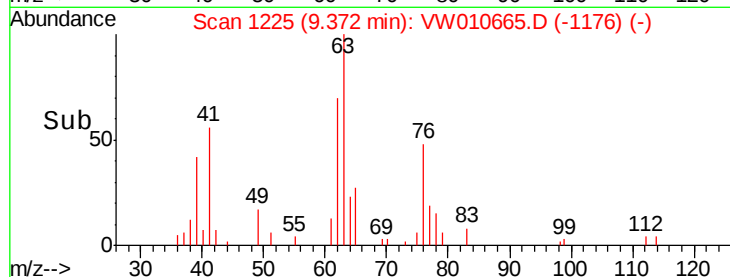
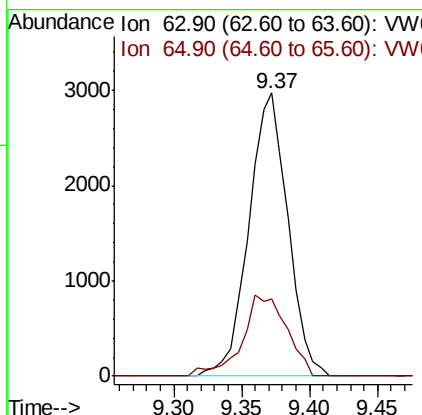
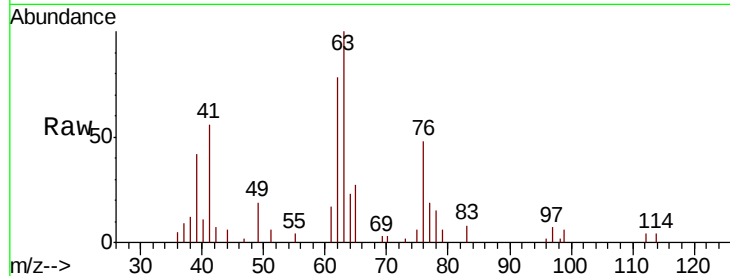




#45
 1,2-Dichloropropane
 Concen: 46.481 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

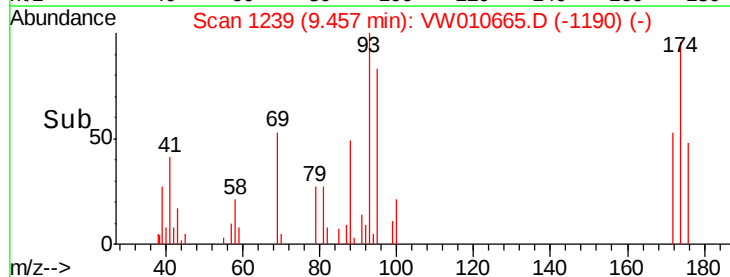
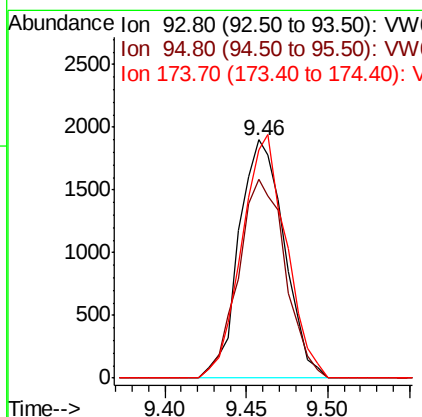
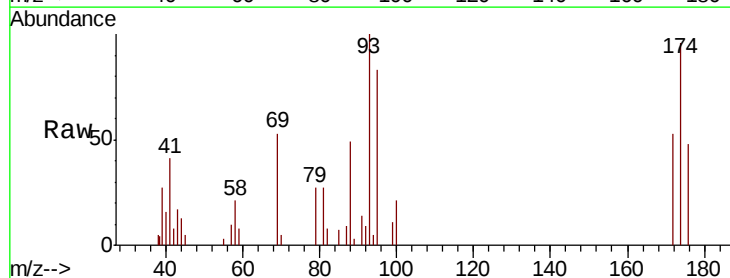
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 5976
 Ion Ratio Lower Upper
 63 100
 65 27.5 24.3 36.5



#46
 Dibromomethane
 Concen: 48.770 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion: 93 Resp: 3667
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.1 99.1
 174 100.3 77.1 115.7





#47

Bromodichloromethane

Concen: 39.862 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :
MSVOA_W
ClientSampleId :

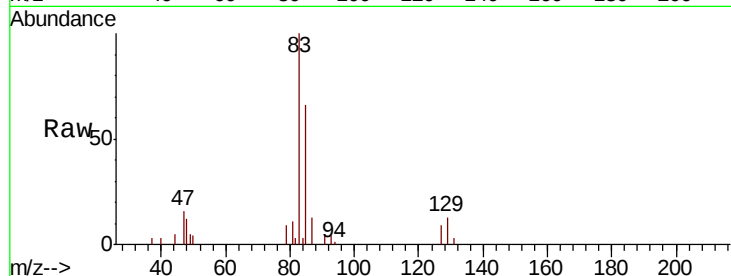
Tot Ion: 83 Resp: 7532

Ion Ratio Lower Upper

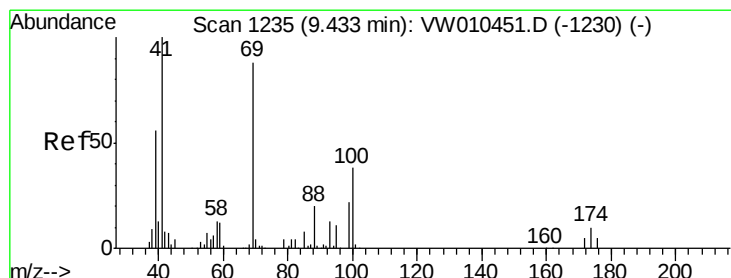
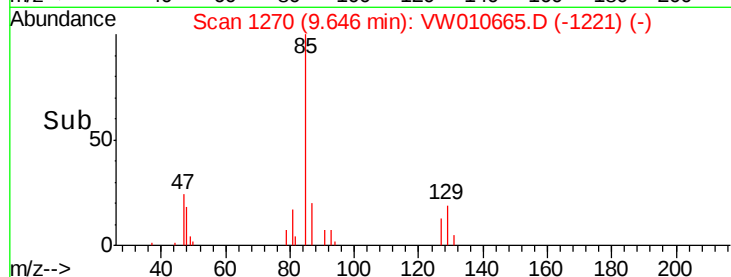
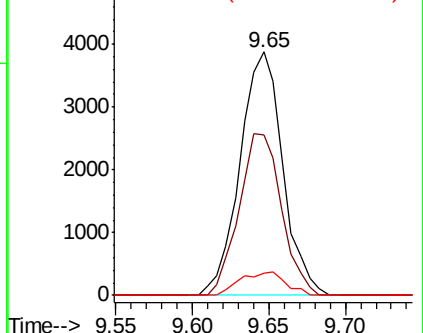
83 100

85 66.1 50.4 75.6

127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 70.332 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

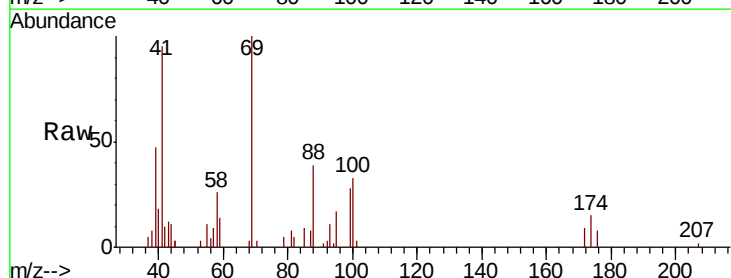
Tgt Ion: 41 Resp: 5324

Ion Ratio Lower Upper

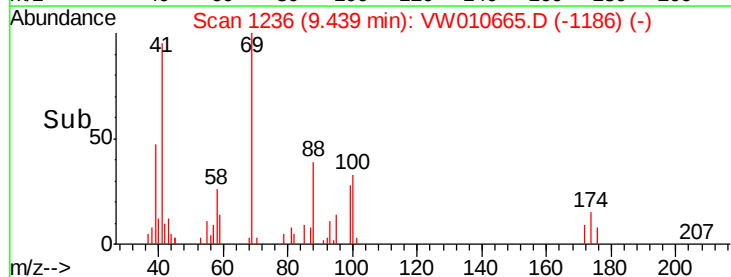
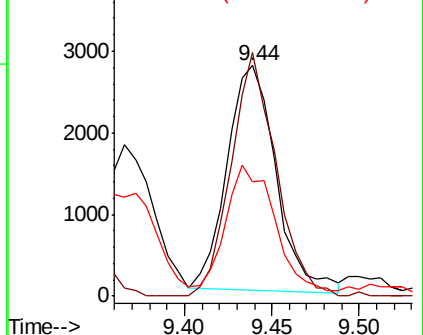
41 100

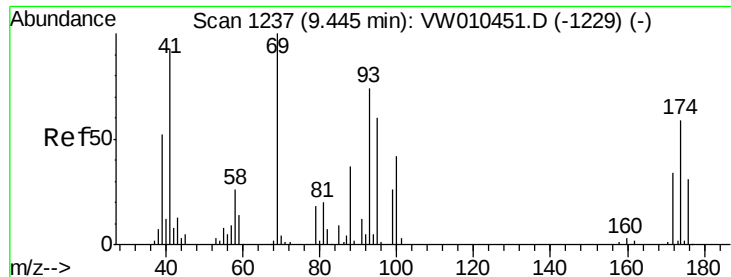
69 99.8 77.6 116.4

39 55.0 49.8 74.8



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





#49

1,4-Dioxane

Concen: 2185.181 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

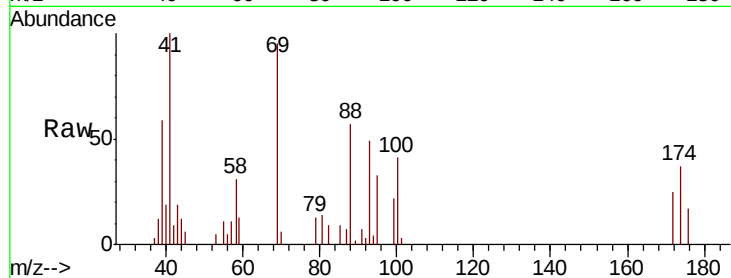
Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

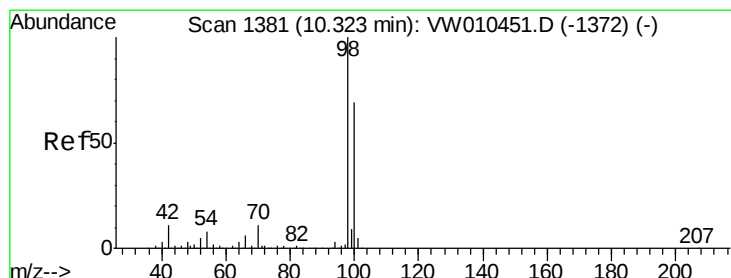
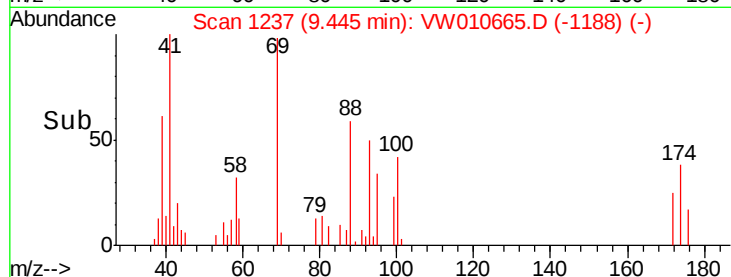
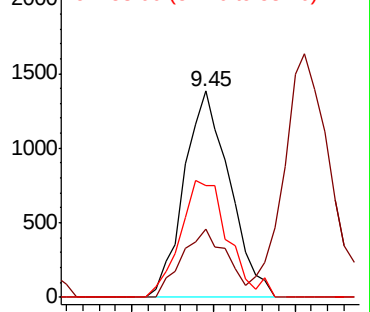
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 2684

Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.9	38.9
58	60.1	52.7	79.1



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



#50

Toluene-d8

Concen: 47.489 ug/l

RT: 10.32 min Scan# 1381

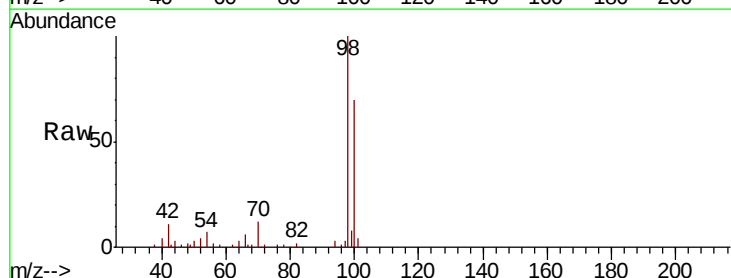
Delta R.T. -0.00 min

Lab File: VW010665.D

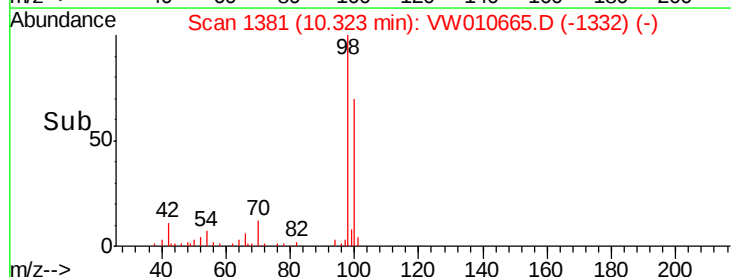
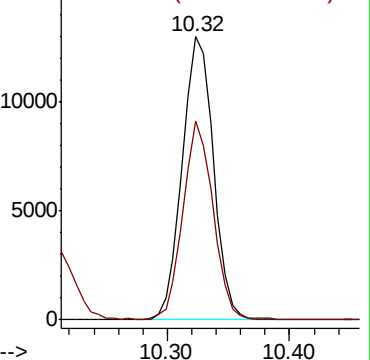
Acq: 03 Jun 2019 17:49

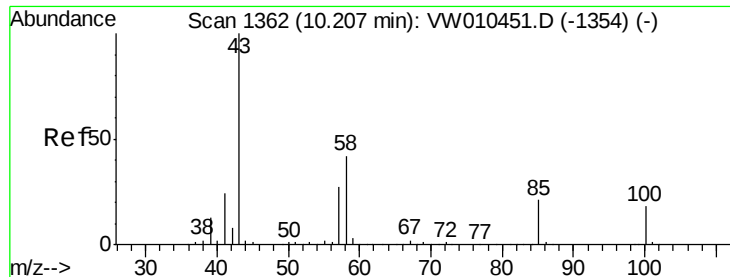
Tgt Ion: 98 Resp: 23016

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.7	80.5



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





#51

4-Methyl-2-Pentanone

Concen: 328.474 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

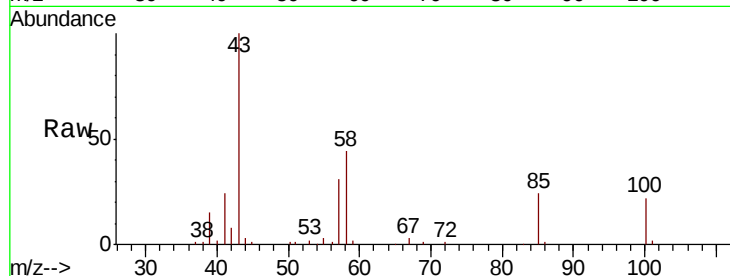
ClientSampled :

Tot Ion: 43 Resp: 27541

Ion Ratio Lower Upper

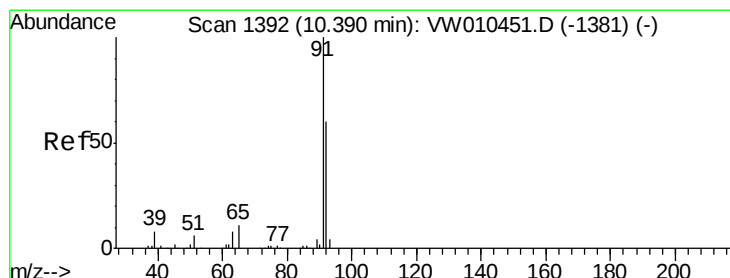
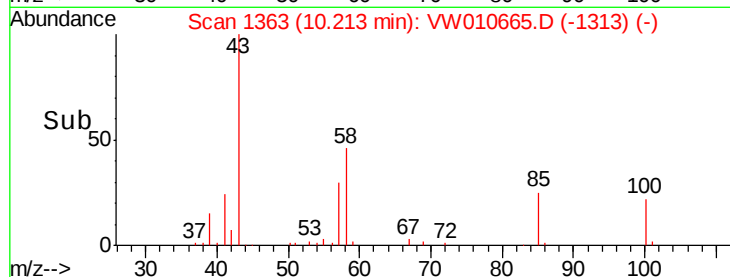
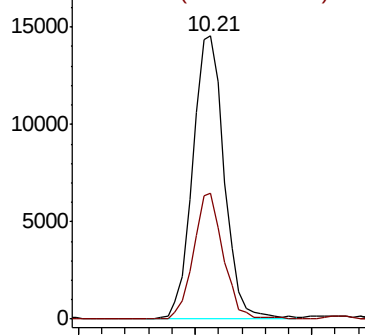
43 100

58 41.8 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 63.883 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010665.D

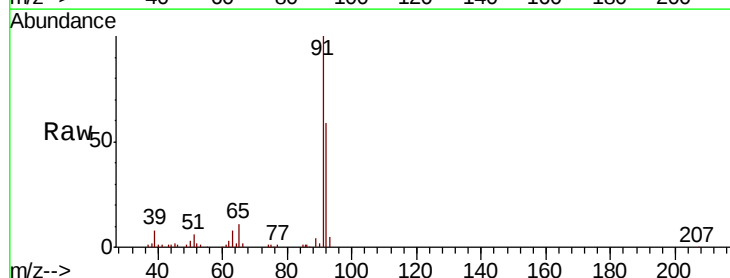
Acq: 03 Jun 2019 17:49

Tgt Ion: 92 Resp: 23225

Ion Ratio Lower Upper

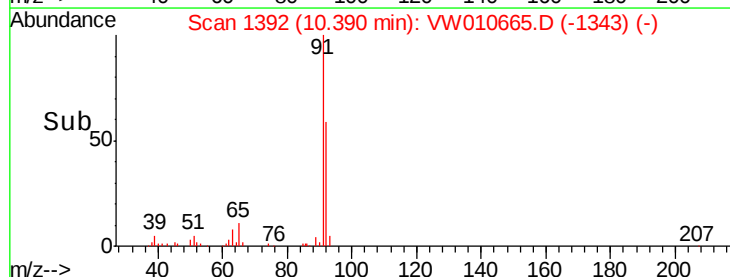
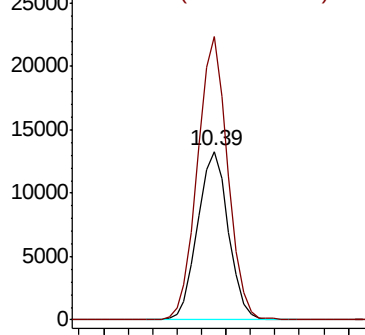
92 100

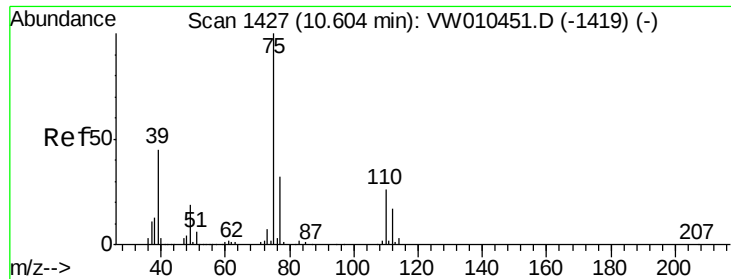
91 165.0 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 34.750 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

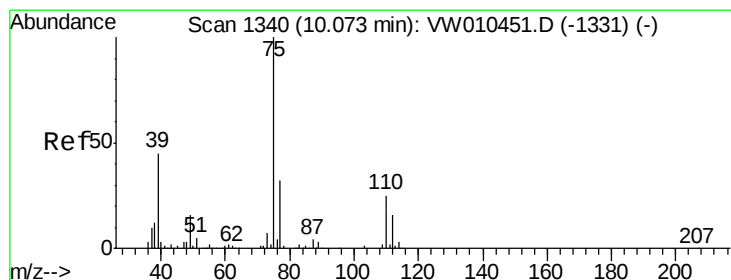
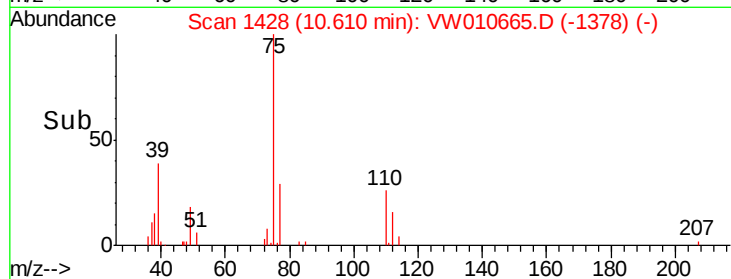
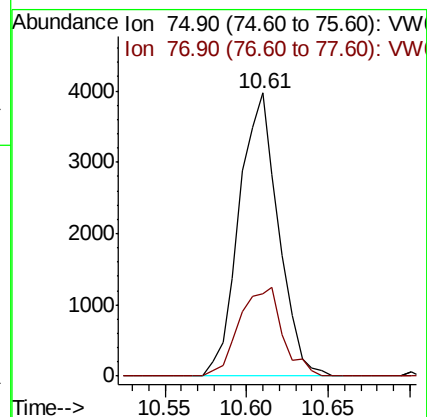
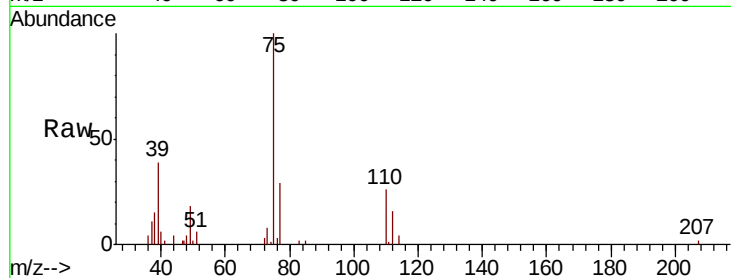
ClientSampled :

Tot Ion: 75 Resp: 6650

Ion Ratio Lower Upper

75 100

77 29.1 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 37.790 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

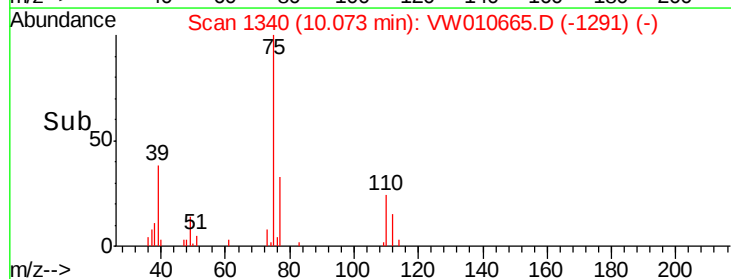
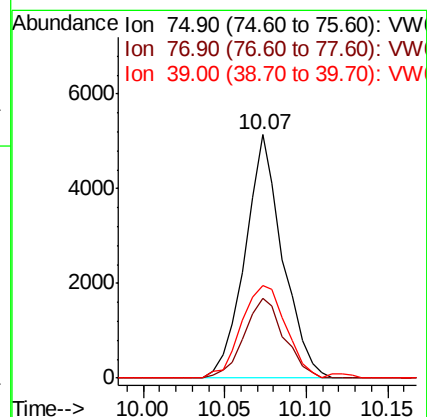
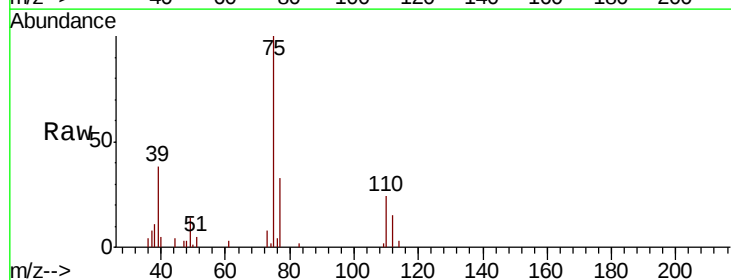
Tgt Ion: 75 Resp: 8259

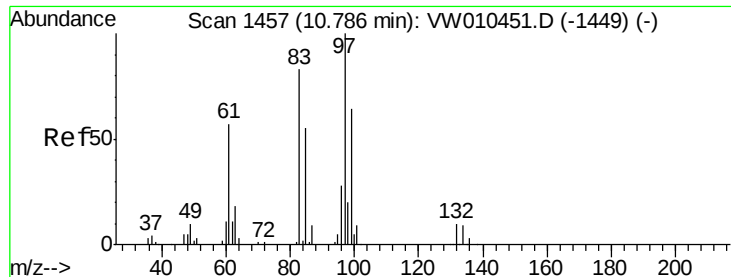
Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

39 38.1 36.2 54.4

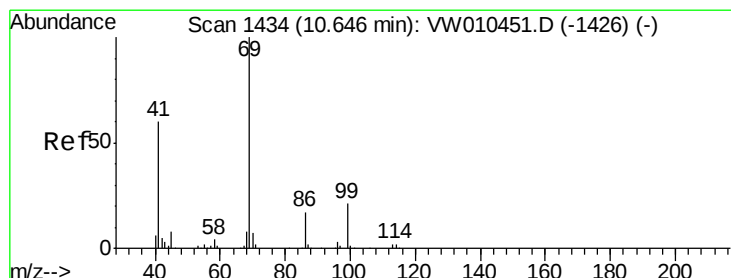
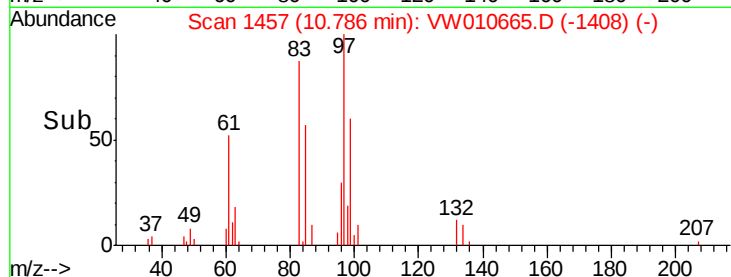
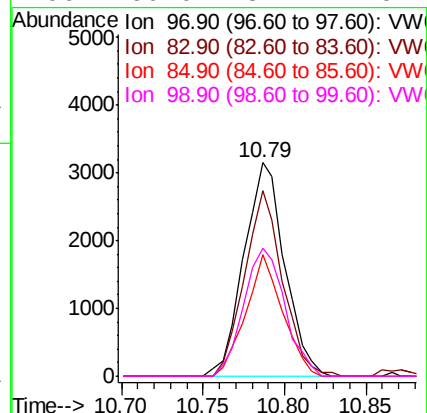
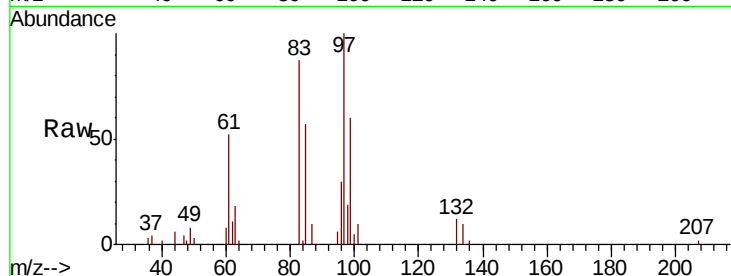




#55
 1,1,2-Trichloroethane
 Concen: 50.710 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

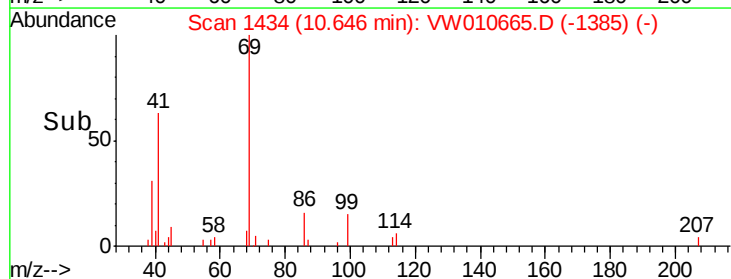
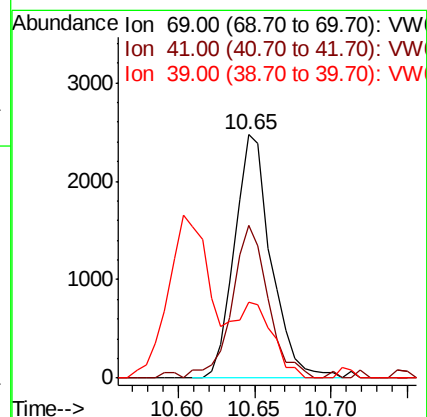
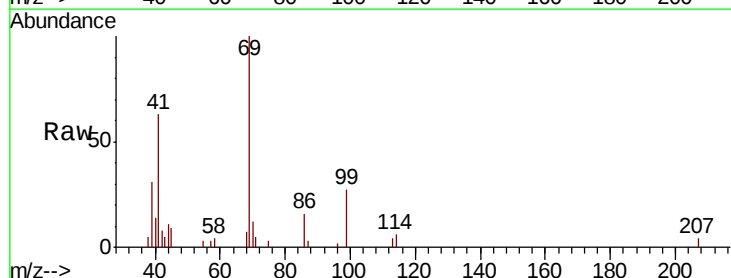
Instrument :
 MSVOA_W
 ClientSampleId :

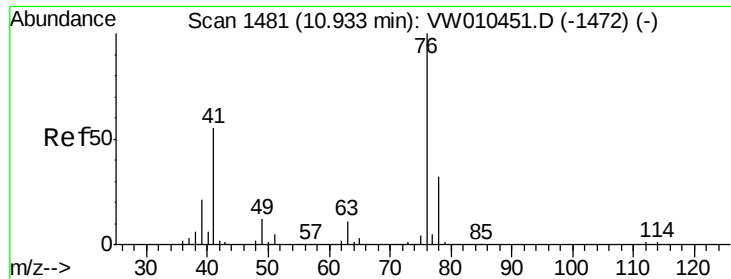
Tot Ion:	97	Resp:	5483
Ion	Ratio	Lower	Upper
97	100		
83	87.1	66.1	99.1
85	56.9	44.2	66.4
99	60.0	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 27.488 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion:	69	Resp:	4099
Ion	Ratio	Lower	Upper
69	100		
41	62.0	47.7	71.5
39	28.8	25.3	37.9

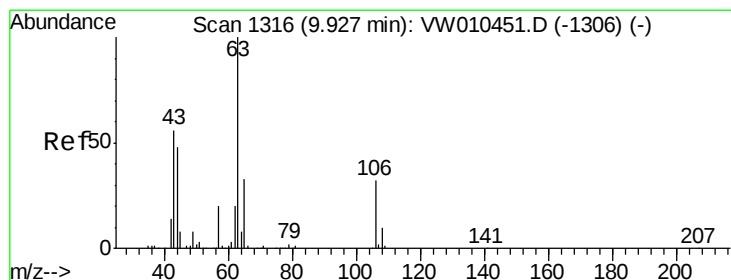
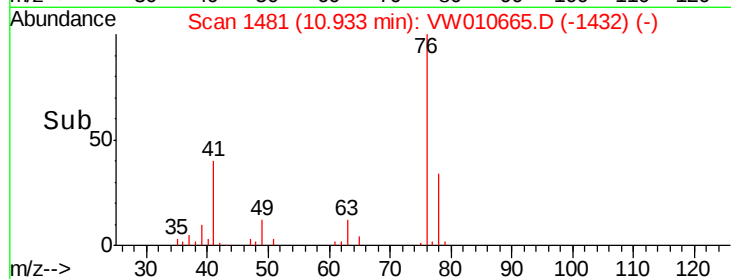
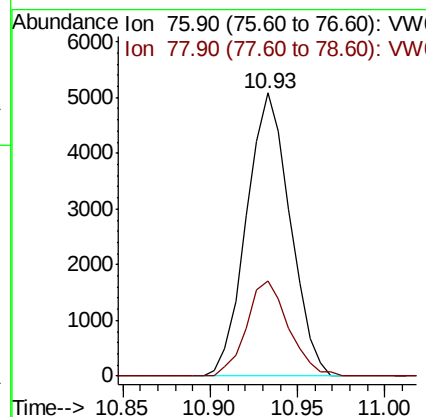
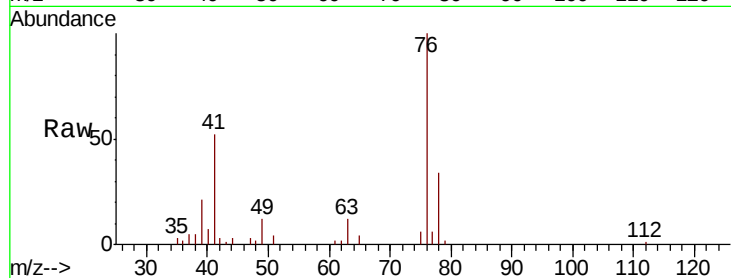




#57
 1,3-Dichloropropane
 Concen: 48.732 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

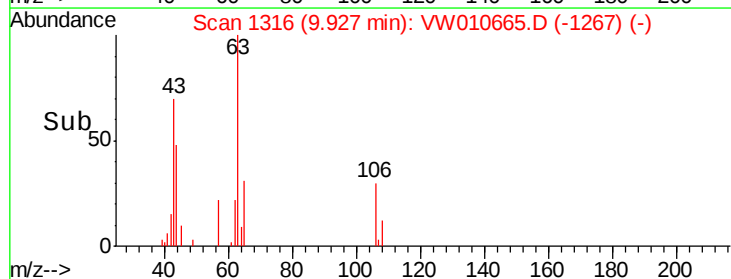
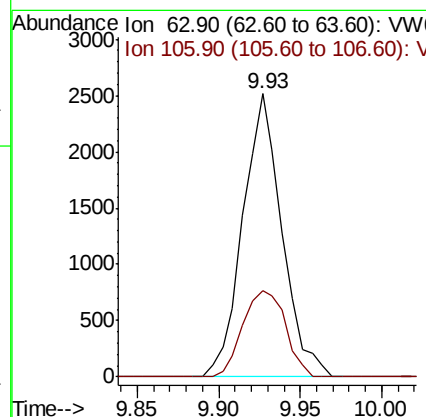
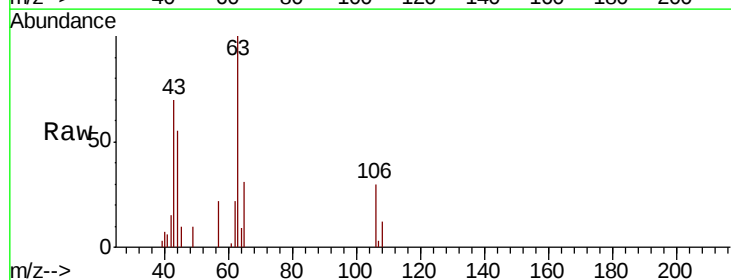
Instrument :
 MSVOA_W
 ClientSampleId :

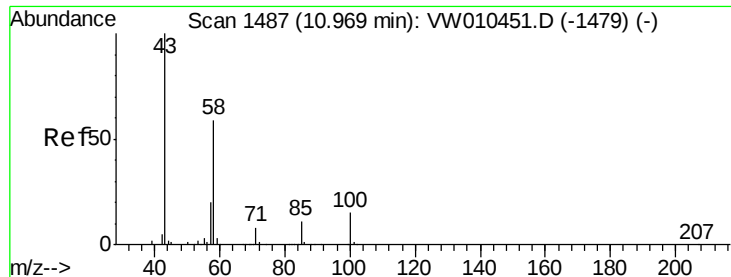
Tot Ion: 76 Resp: 8826
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 63.528 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion: 63 Resp: 4196
 Ion Ratio Lower Upper
 63 100
 106 33.1 25.8 38.6

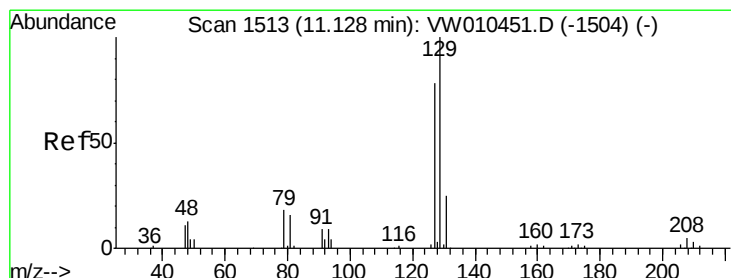
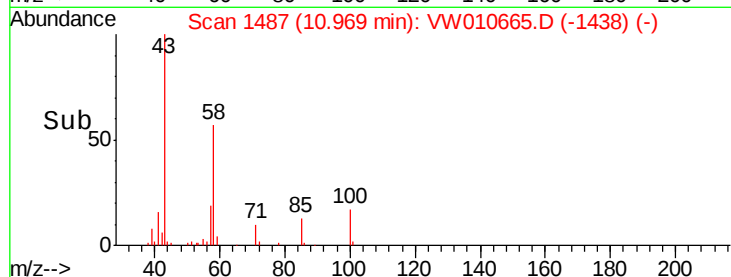
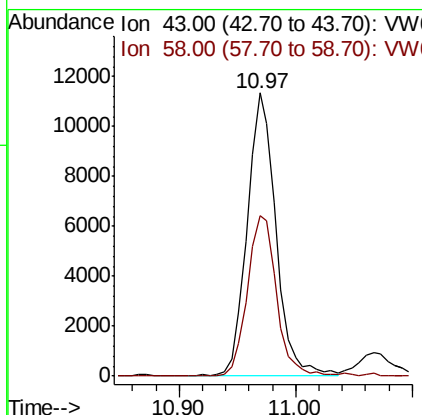
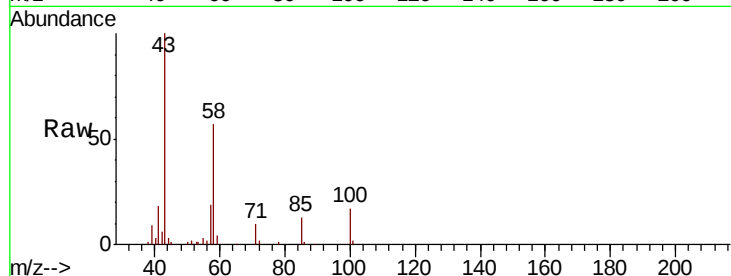




#59
2-Hexanone
Concen: 327.098 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

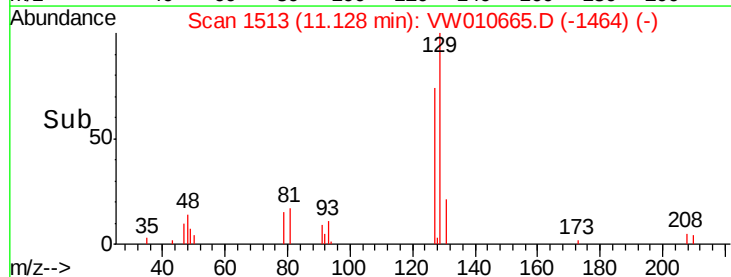
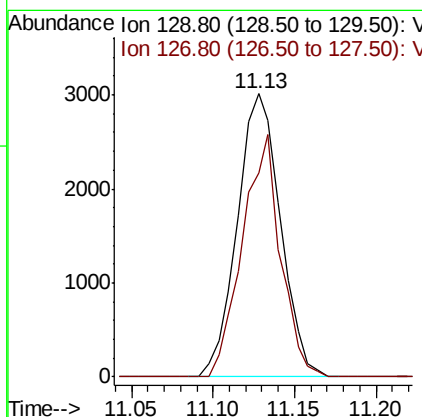
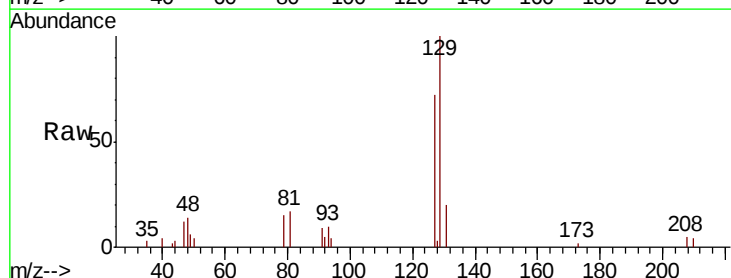
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 19564
Ion Ratio Lower Upper
43 100
58 57.5 28.9 86.8



#60
Dibromochloromethane
Concen: 40.594 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 129 Resp: 5555
Ion Ratio Lower Upper
129 100
127 75.6 38.9 116.7

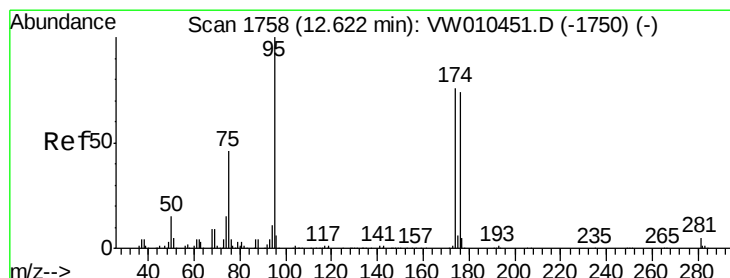
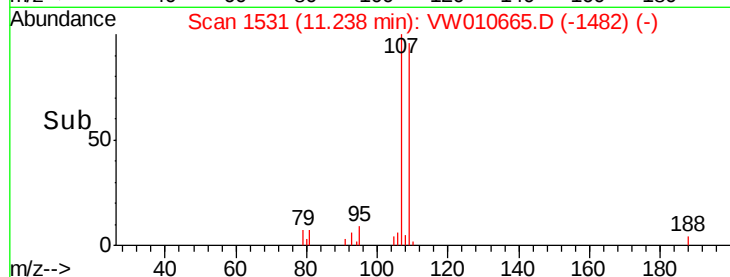
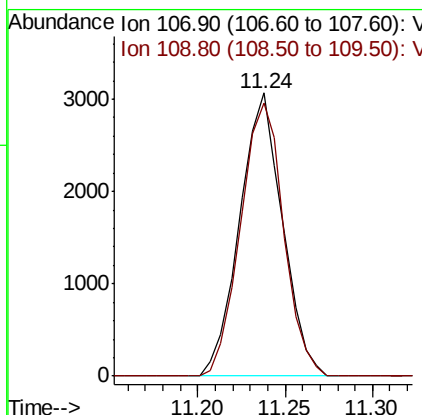
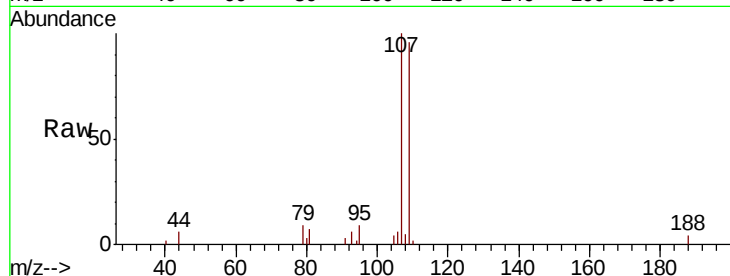




#61
1,2-Dibromoethane
Concen: 47.686 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

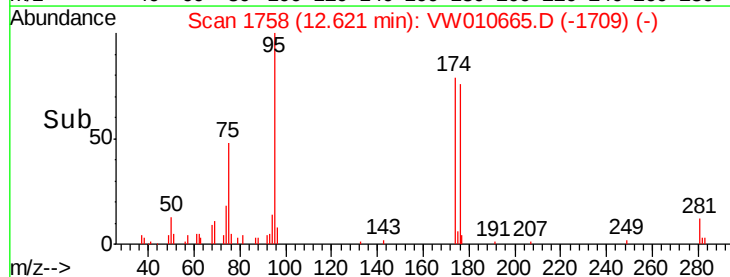
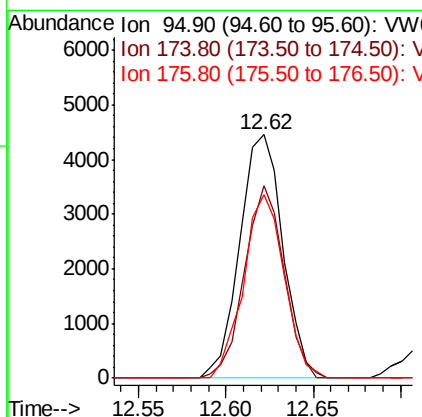
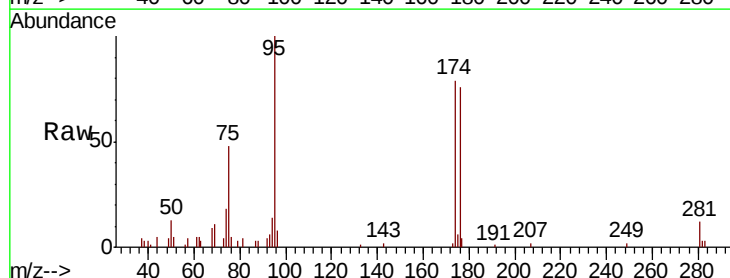
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 107 Resp: 5223
Ion Ratio Lower Upper
107 100
109 97.0 75.0 112.4



#62
4-Bromofluorobenzene
Concen: 39.561 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 95 Resp: 7637
Ion Ratio Lower Upper
95 100
174 72.1 0.0 148.6
176 71.3 0.0 144.2

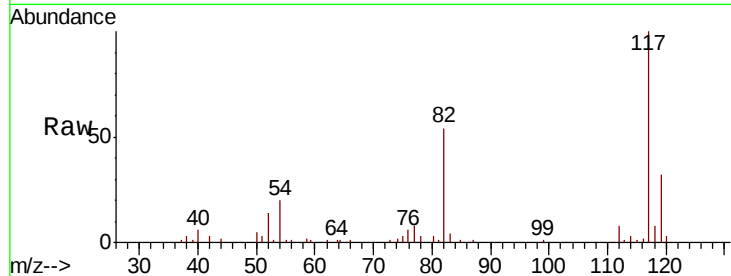




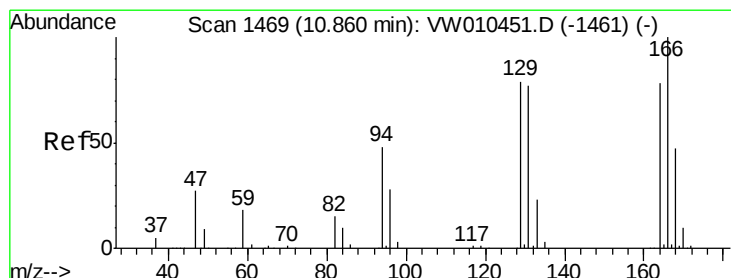
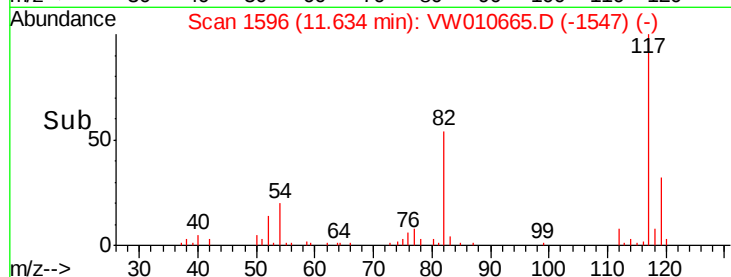
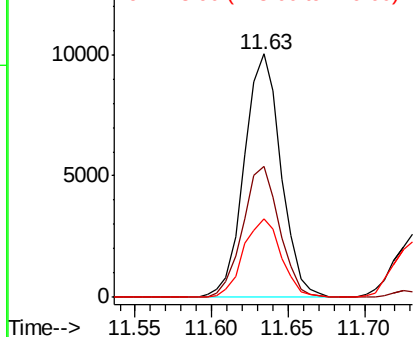
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 16708
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.1 26.3 39.5

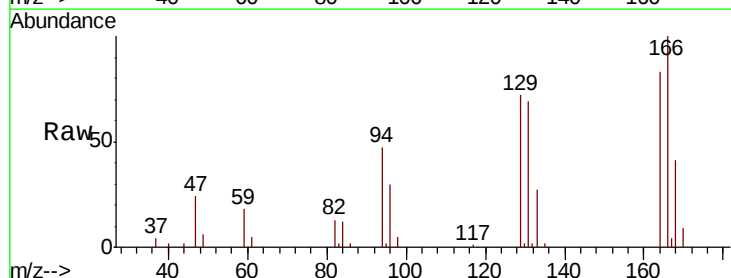


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

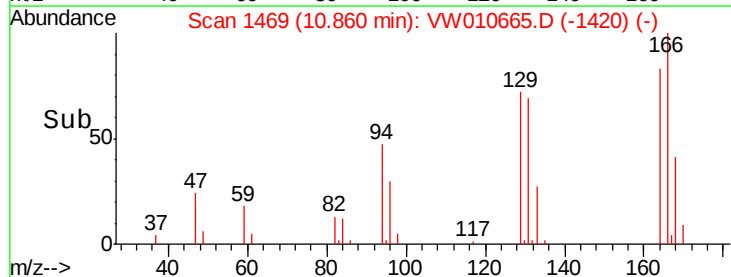
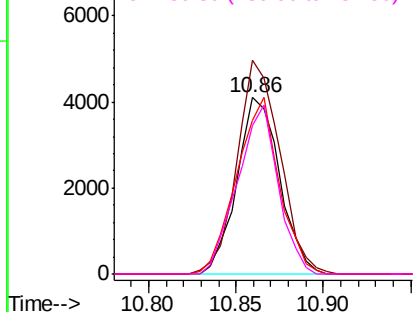


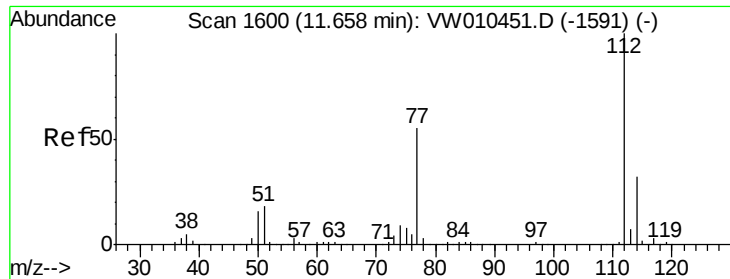
#64
Tetrachloroethene
Concen: 59.912 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion:164 Resp: 6978
Ion Ratio Lower Upper
164 100
166 121.0 101.9 152.9
129 86.8 80.6 121.0
131 84.1 78.2 117.2



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

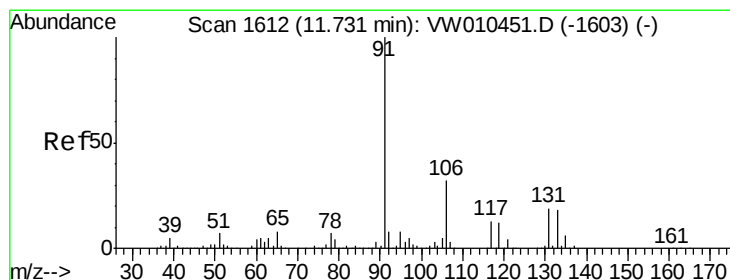
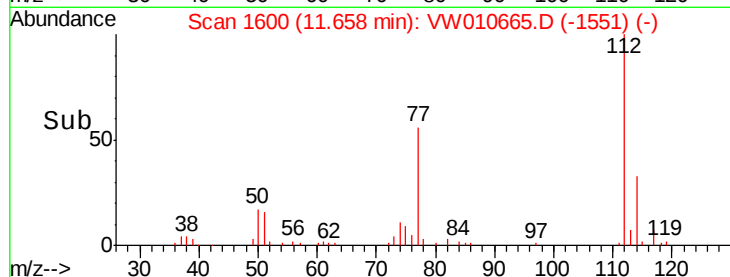
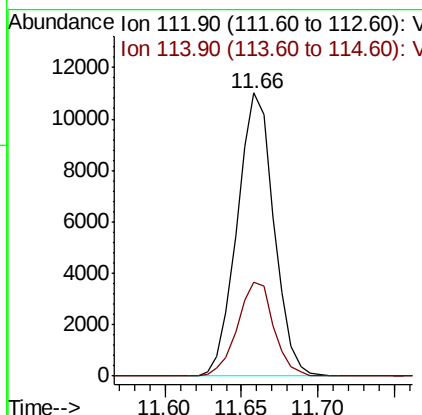
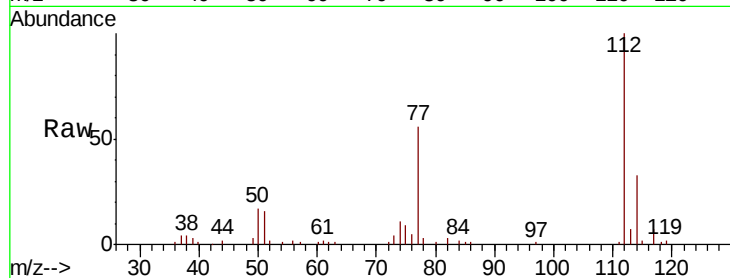




#65
Chlorobenzene
Concen: 51.457 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

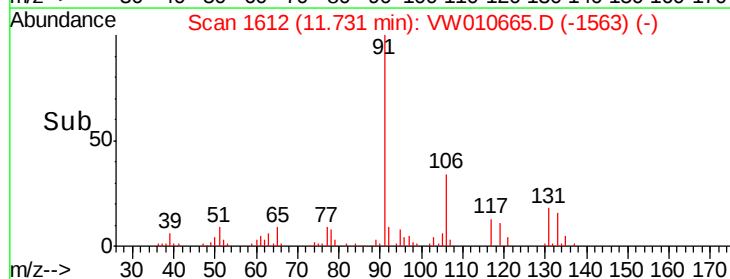
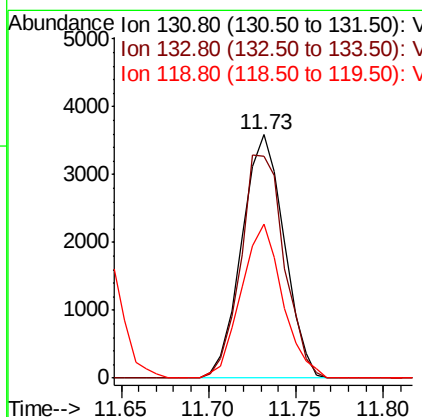
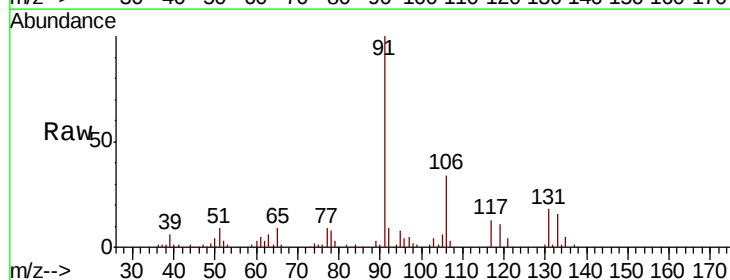
Instrument :
MSVOA_W
ClientSampleId :

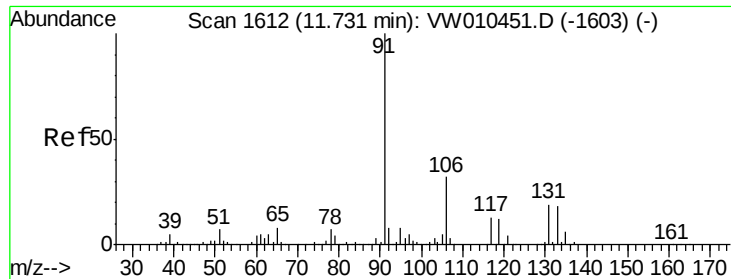
Tot Ion:112 Resp: 18323
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.602 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion:131 Resp: 6072
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 62.2 32.1 96.5

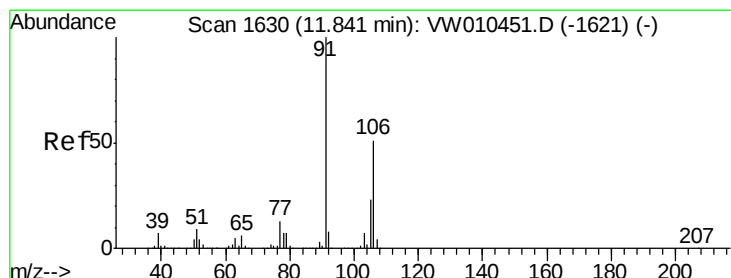
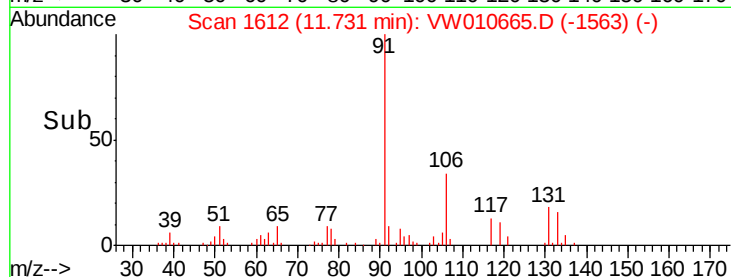
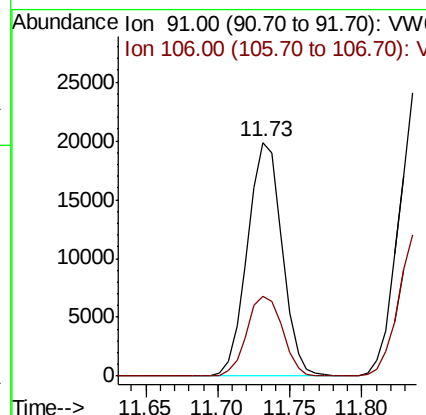
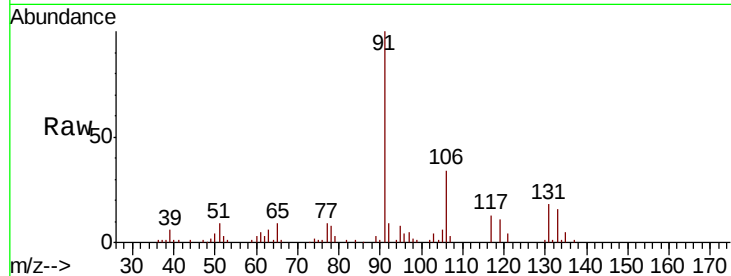




#67
Ethyl Benzene
Concen: 52.619 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

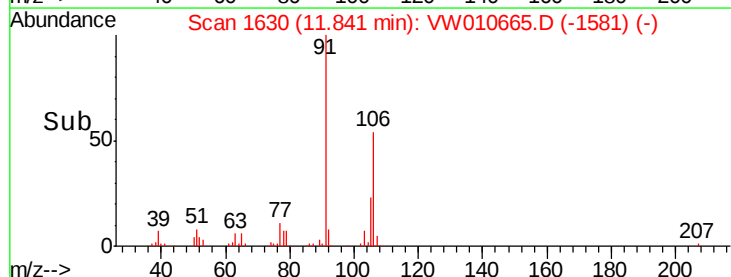
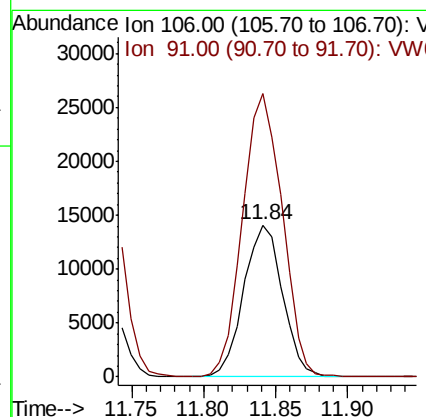
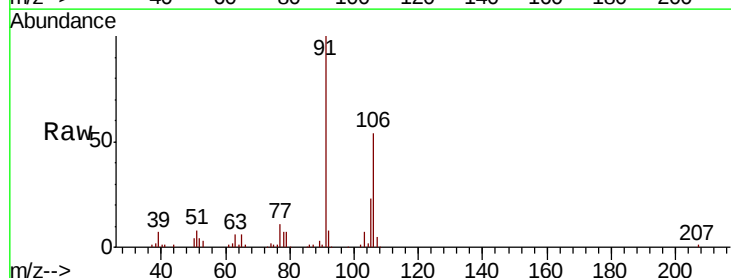
Instrument :
MSVOA_W
ClientSampled :

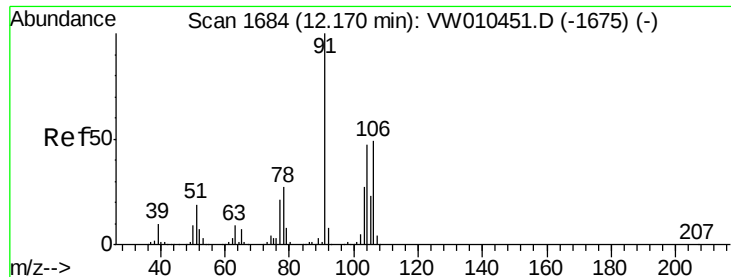
Tot Ion: 91 Resp: 33081
Ion Ratio Lower Upper
91 100
106 34.4 25.9 38.9



#68
m/p-Xylenes
Concen: 106.813 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion: 106 Resp: 26339
Ion Ratio Lower Upper
106 100
91 191.4 156.0 234.0

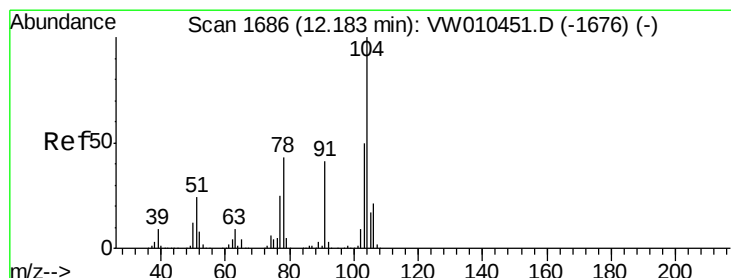
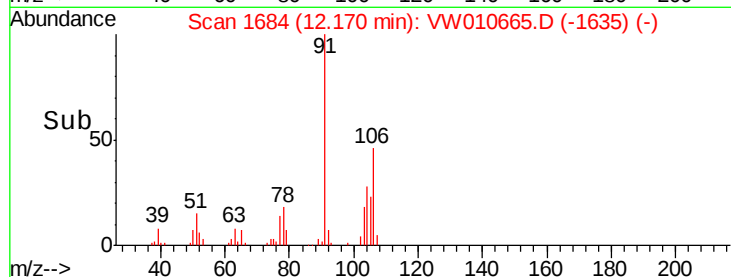
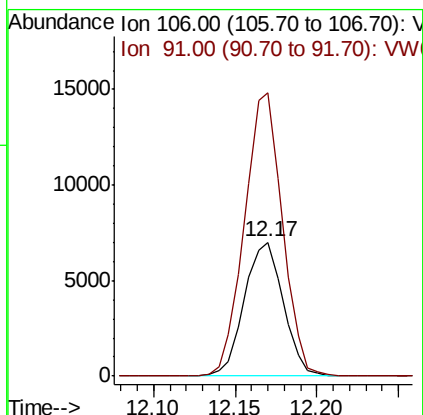
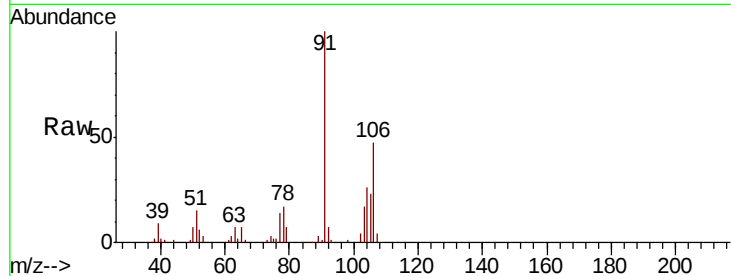




#69
o-Xylene
Concen: 49.998 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

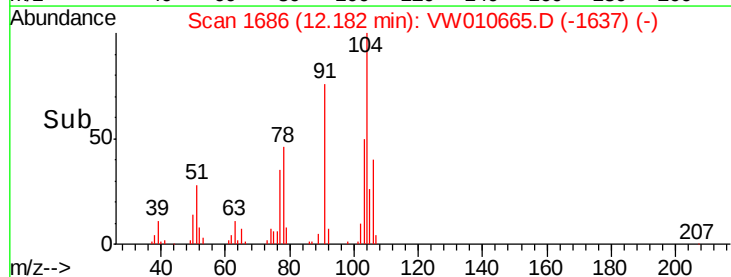
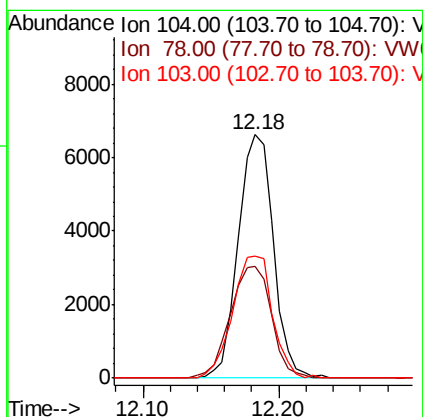
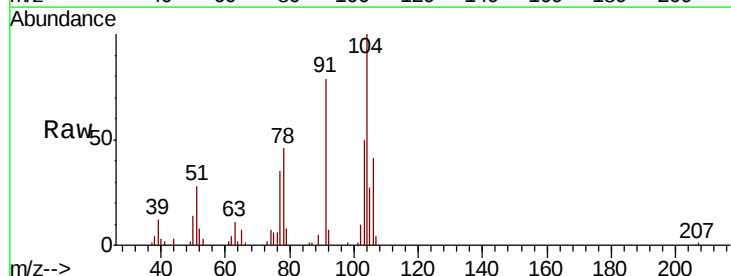
Instrument :
MSVOA_W
ClientSampled :

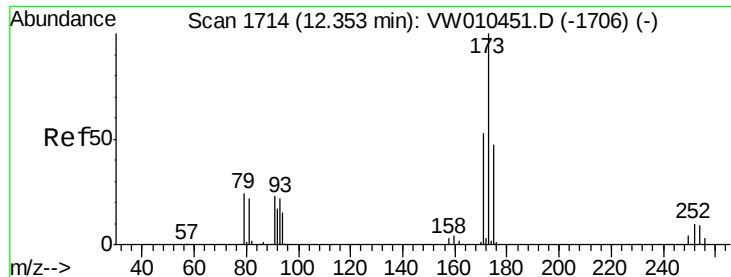
Tot Ion:106 Resp: 11681
Ion Ratio Lower Upper
106 100
91 205.7 103.2 309.4



#70
Styrene
Concen: 30.186 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion:104 Resp: 11966
Ion Ratio Lower Upper
104 100
78 53.6 39.0 58.4
103 56.6 43.0 64.6





#71

Bromoform

Concen: 45.769 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

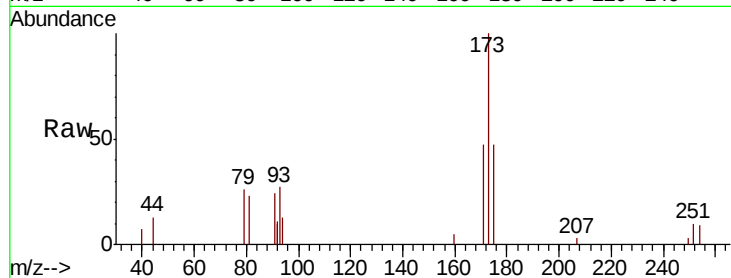
Tot Ion:173 Resp: 3215

Ion Ratio Lower Upper

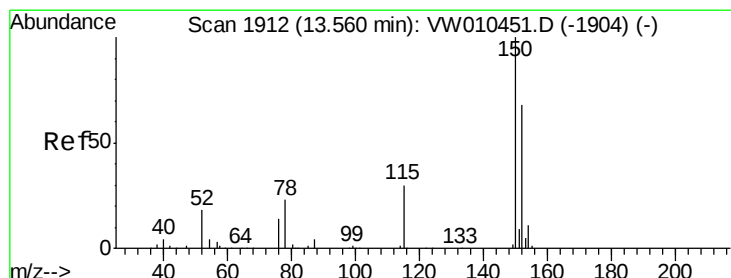
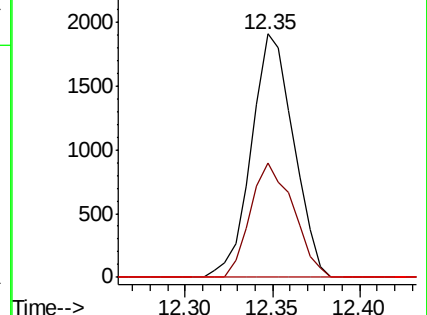
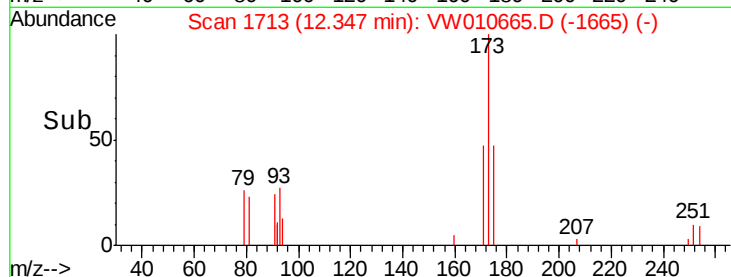
173 100

175 47.6 24.4 73.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

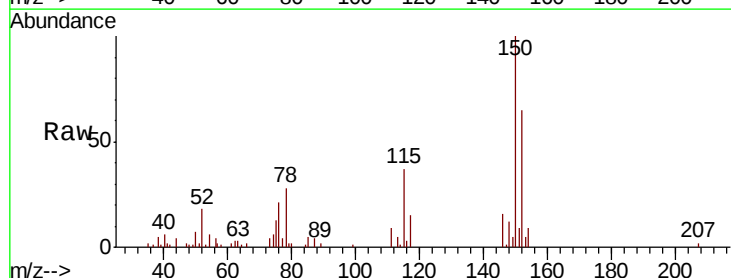
Tgt Ion:152 Resp: 6353

Ion Ratio Lower Upper

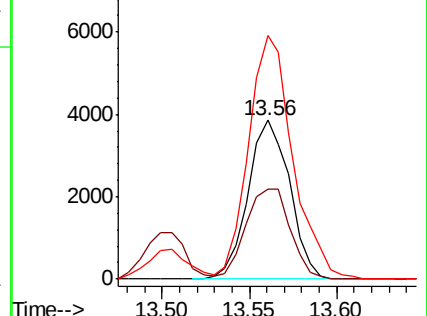
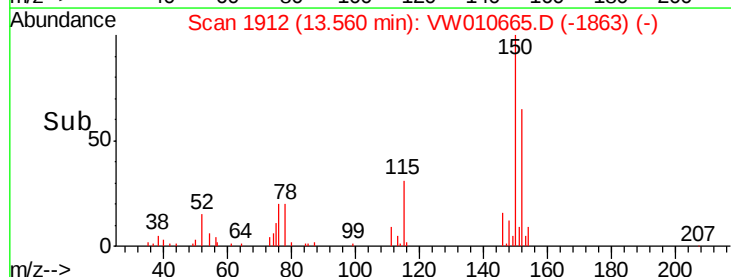
152 100

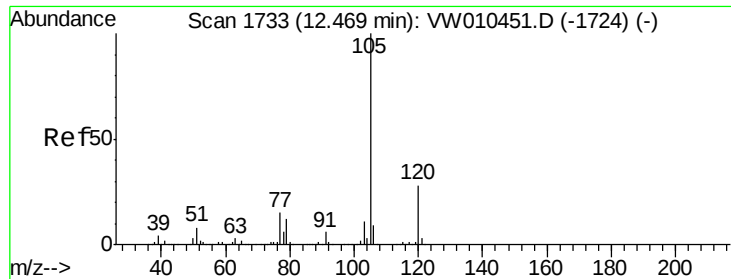
115 61.2 30.3 91.0

150 164.1 0.0 349.8



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: 64.680 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

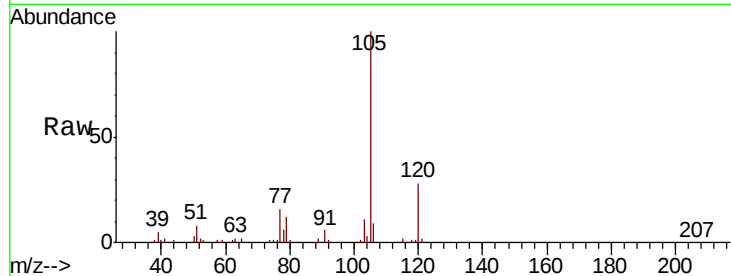
ClientSampled :

Tot Ion:105 Resp: 32607

Ion Ratio Lower Upper

105 100

120 28.8 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

15000

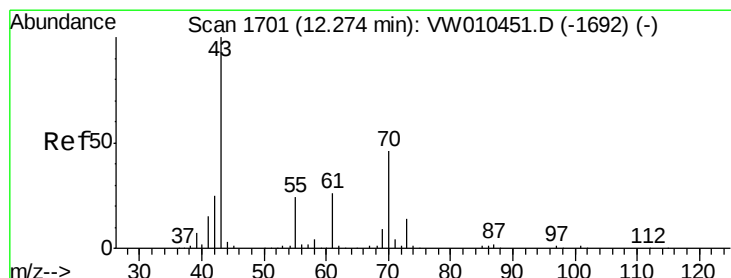
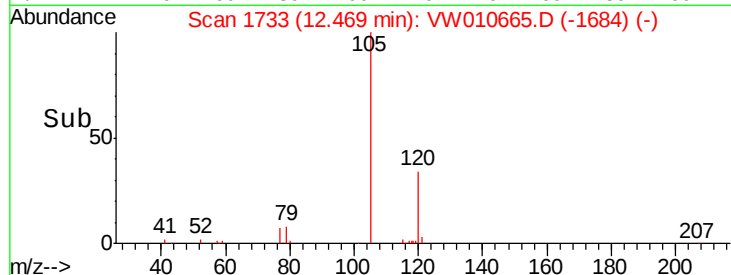
10000

5000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 6.977 ug/l

RT: 12.29 min Scan# 1703

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Tgt Ion: 43 Resp: 806

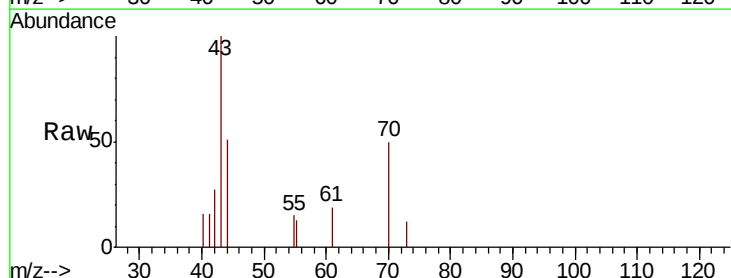
Ion Ratio Lower Upper

43 100

70 48.9 37.1 55.7

55 22.1 19.6 29.4

61 18.6 20.7 31.1#



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

600

500

400

300

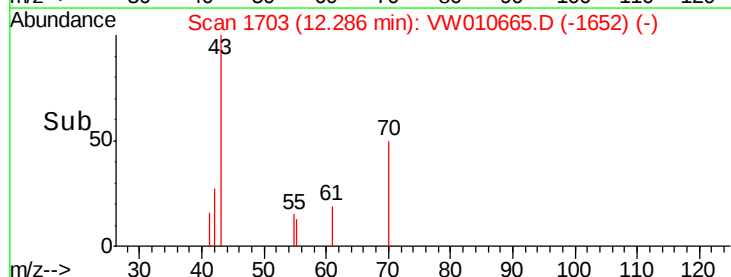
200

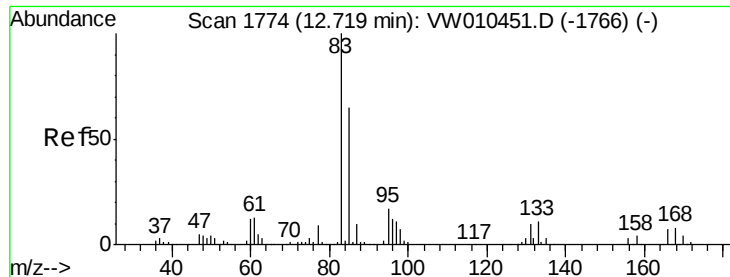
100

0

12.25 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 71.912 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

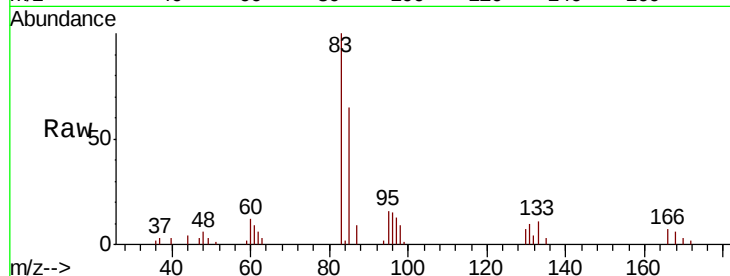
Tot Ion: 83 Resp: 6594

Ion Ratio Lower Upper

83 100

131 11.1 5.6 16.8

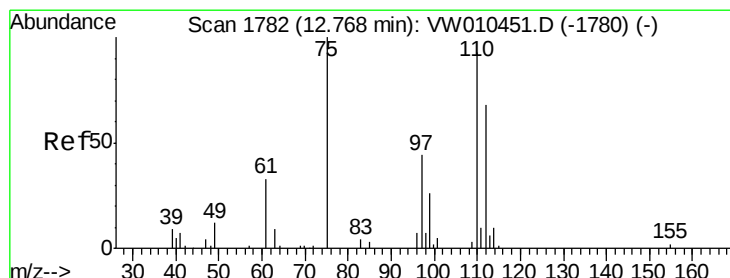
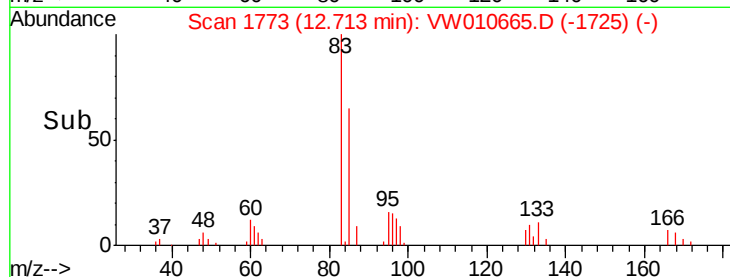
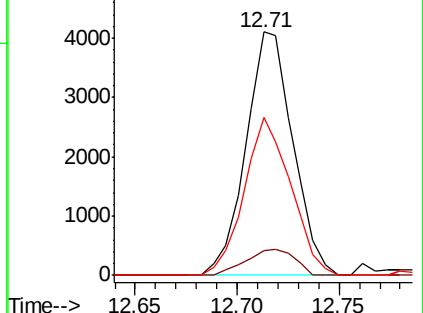
85 64.0 32.4 97.0



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: 128.290 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010665.D

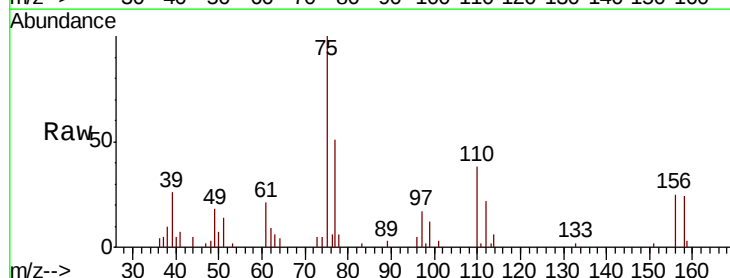
Acq: 03 Jun 2019 17:49

Tgt Ion: 75 Resp: 8273

Ion Ratio Lower Upper

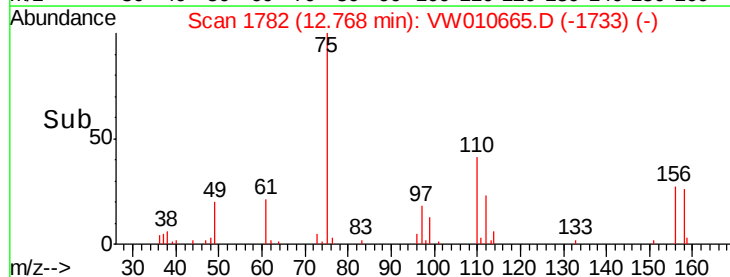
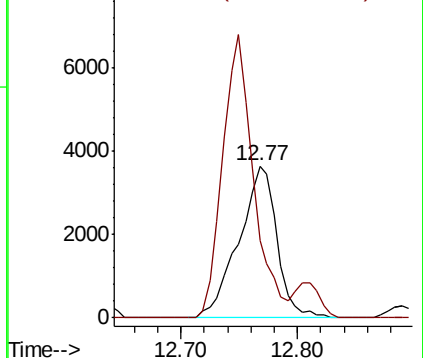
75 100

77 151.1 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 60.887 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

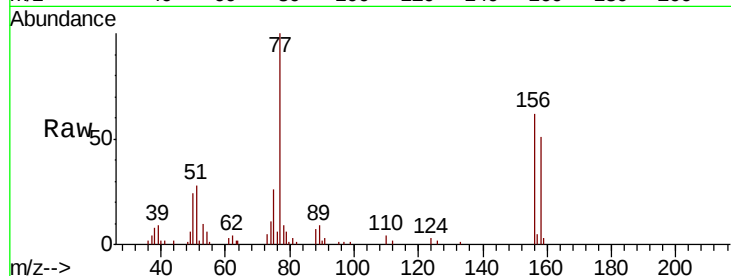
ClientSampleId :

Tot Ion:156 Resp: 6869

Ion	Ratio	Lower	Upper
156	100		
77	182.0	92.4	277.2
158	91.5	48.3	144.8

77 182.0 92.4 277.2

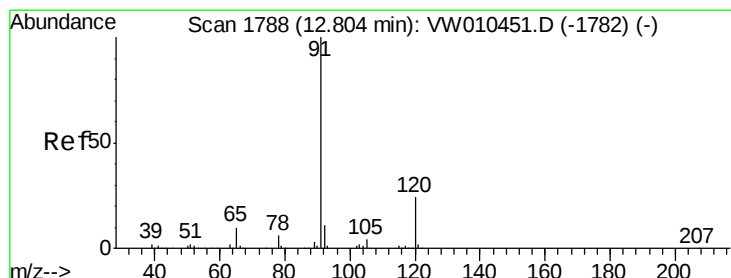
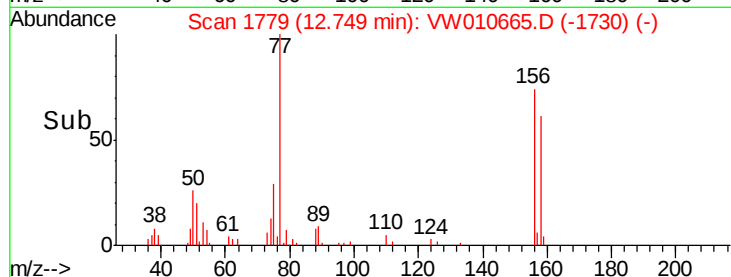
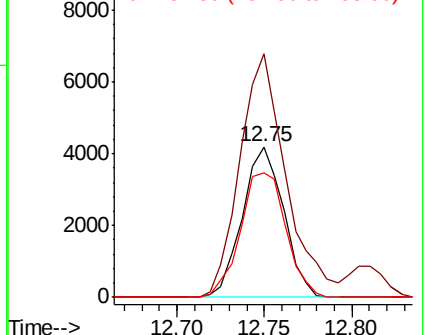
158 91.5 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.311 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010665.D

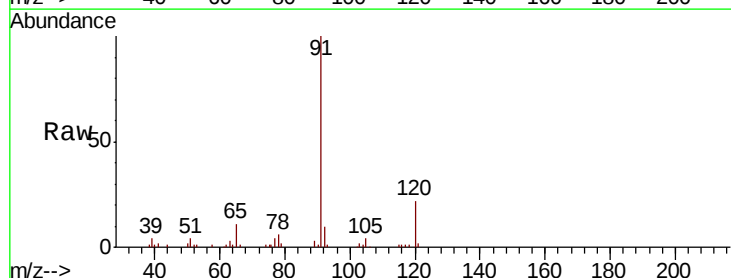
Acq: 03 Jun 2019 17:49

Tgt Ion: 91 Resp: 34258

Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8

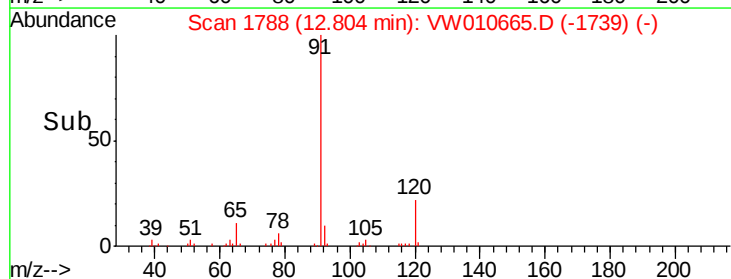
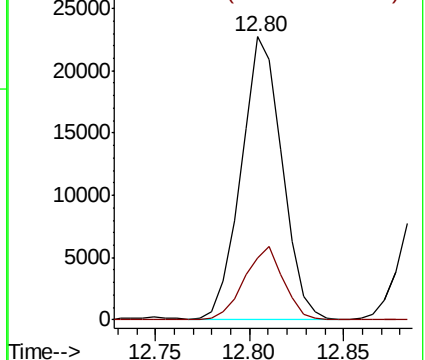
91 100

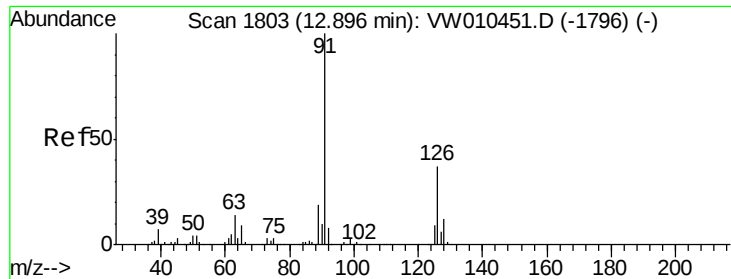
120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 58.963 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

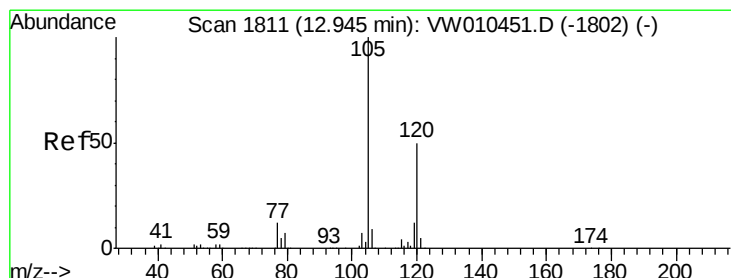
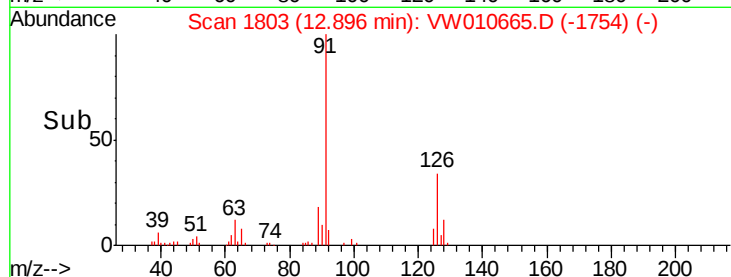
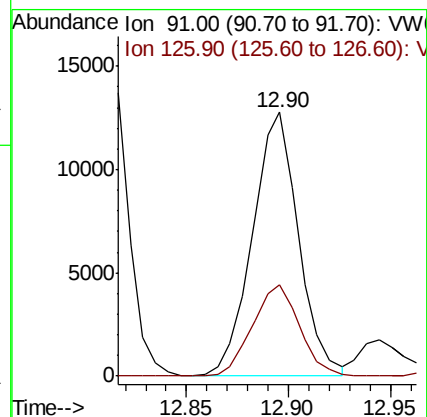
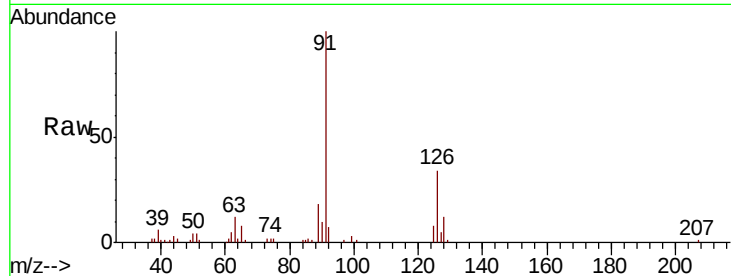
ClientSampled :

Tot Ion: 91 Resp: 20089

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 55.636 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010665.D

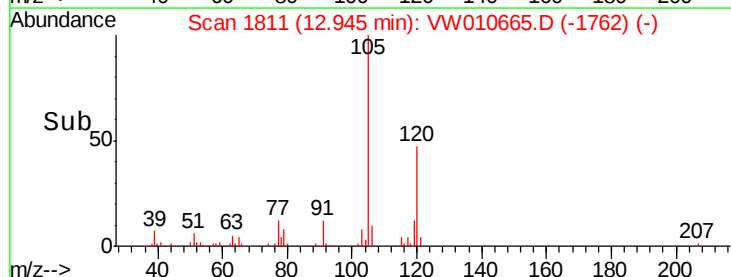
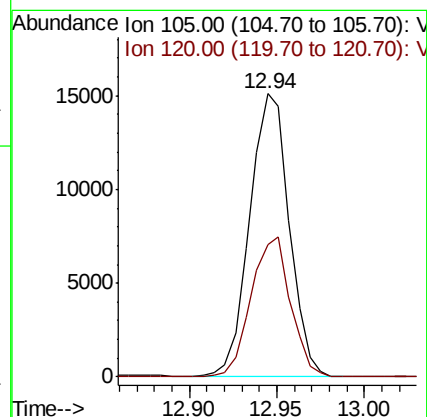
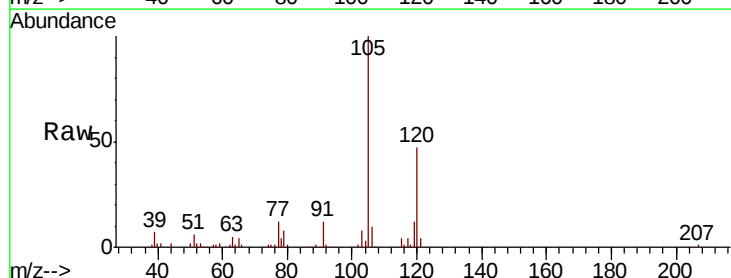
Acq: 03 Jun 2019 17:49

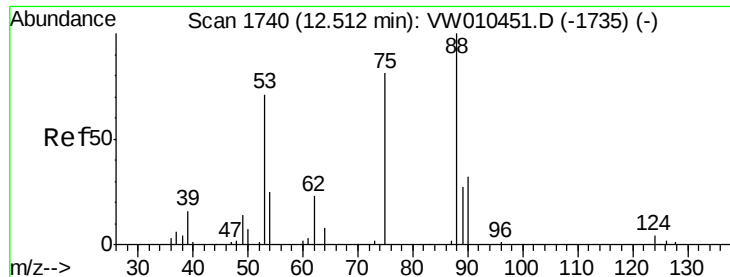
Tgt Ion: 105 Resp: 23755

Ion Ratio Lower Upper

105 100

120 49.3 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 44.435 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

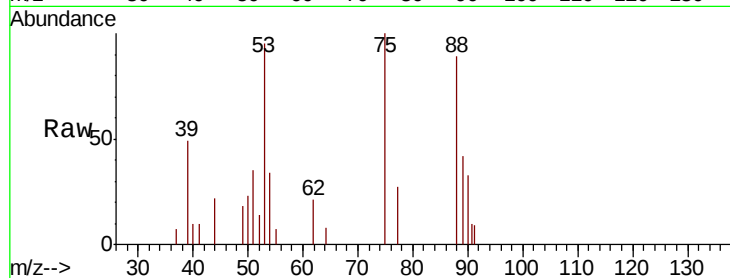
Tot Ion: 75 Resp: 1373

Ion Ratio Lower Upper

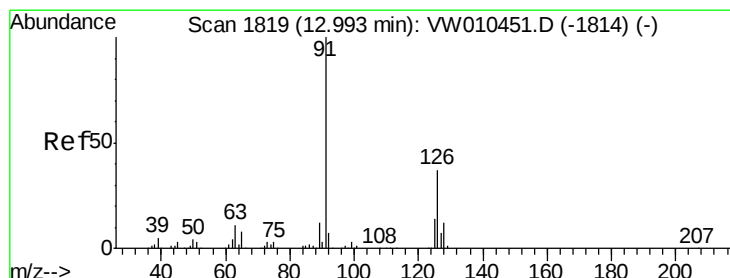
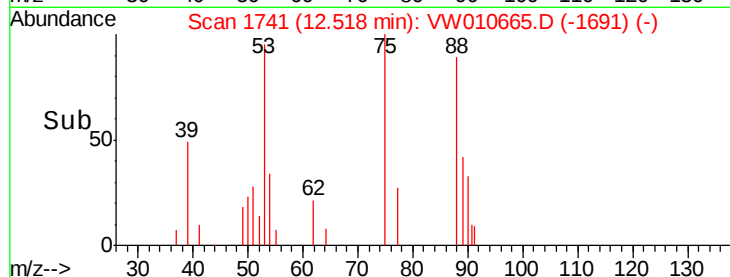
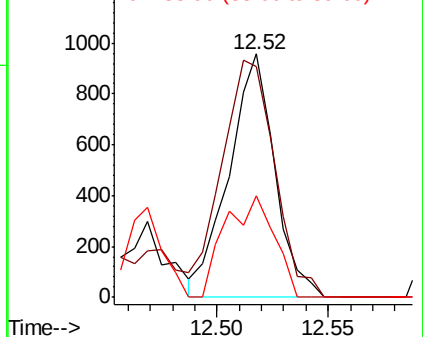
75 100

53 112.0 69.8 104.8#

89 44.7 39.5 59.3



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



#82

4-Chlorotoluene

Concen: 52.989 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010665.D

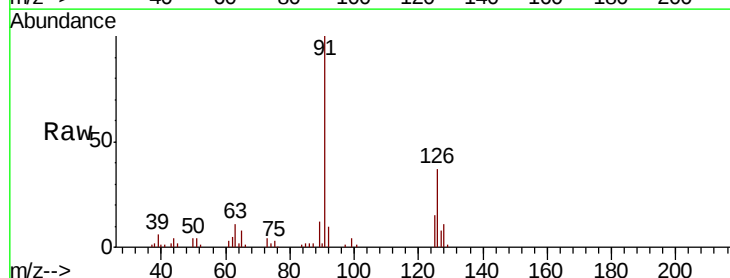
Acq: 03 Jun 2019 17:49

Tgt Ion: 91 Resp: 18739

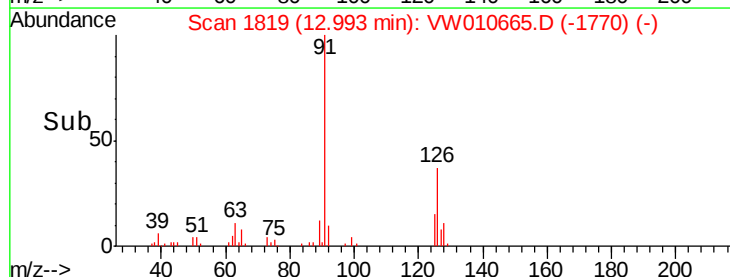
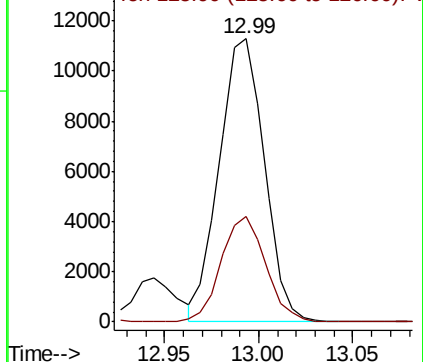
Ion Ratio Lower Upper

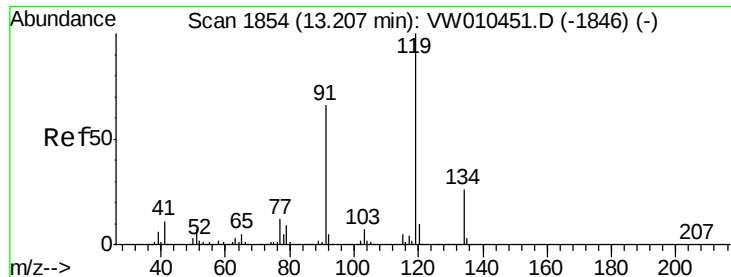
91 100

126 36.8 17.5 52.6



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

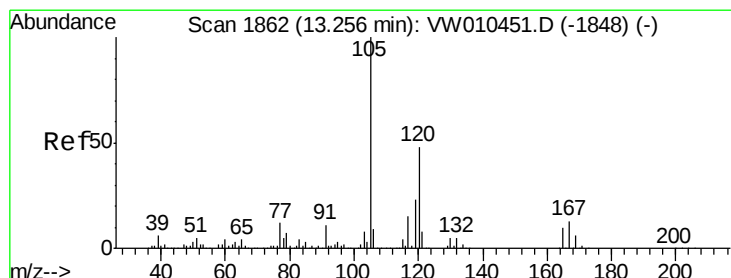
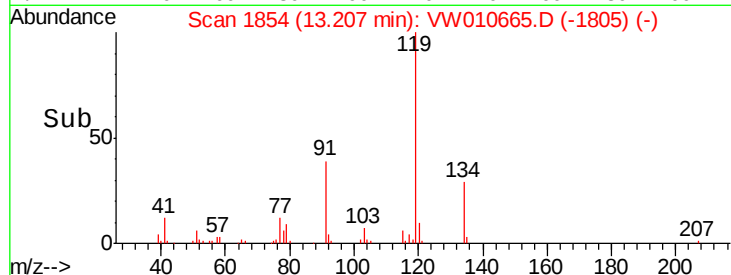
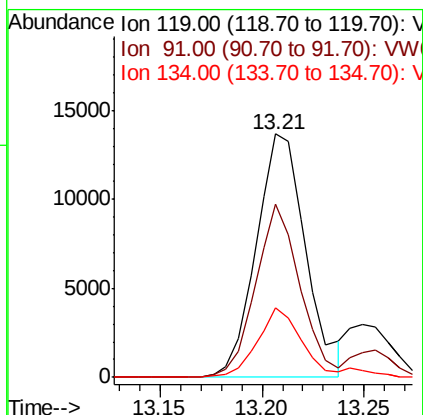
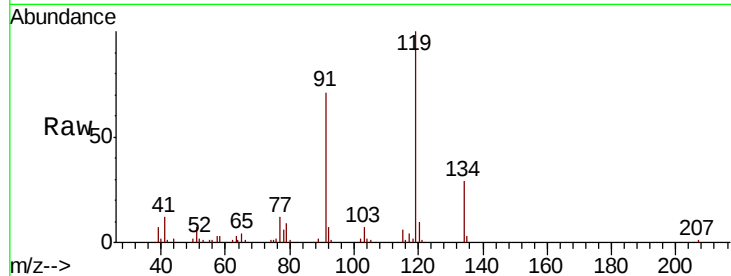




#83
tert-Butylbenzene
Concen: 62.136 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

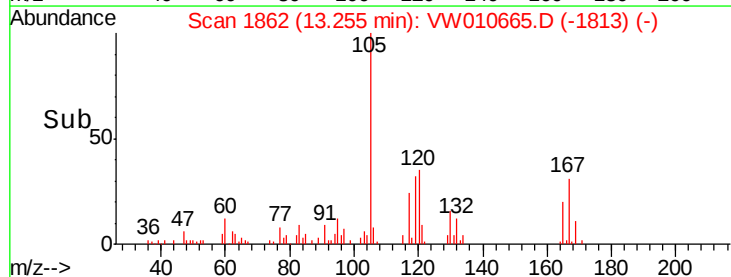
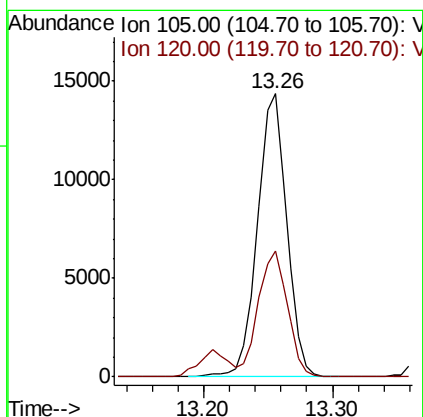
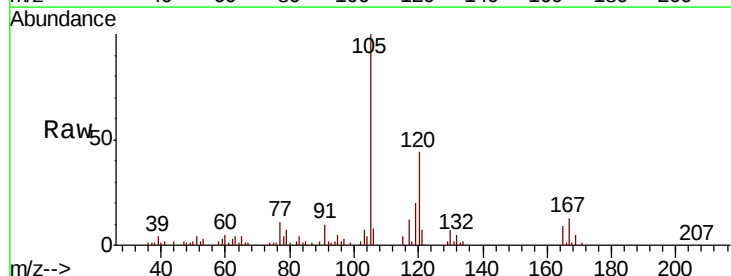
Instrument :
MSVOA_W
ClientSampled :

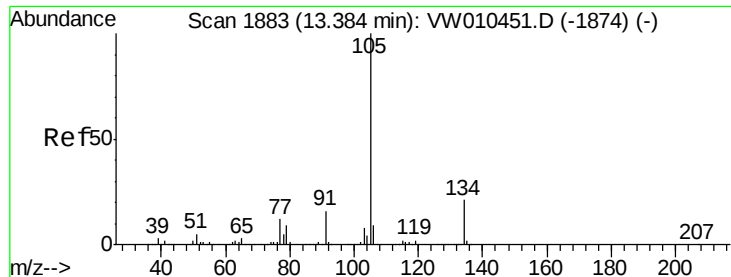
Tot Ion:119 Resp: 23174
Ion Ratio Lower Upper
119 100
91 63.5 33.1 99.5
134 25.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 52.974 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion:105 Resp: 22527
Ion Ratio Lower Upper
105 100
120 44.4 23.4 70.2





#85

sec-Butylbenzene

Concen: 53.628 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

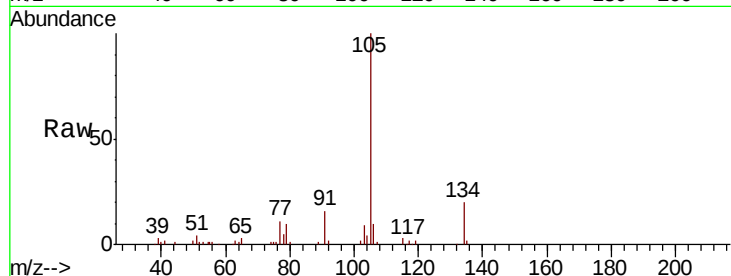
ClientSampleId :

Tot Ion:105 Resp: 27990

Ion Ratio Lower Upper

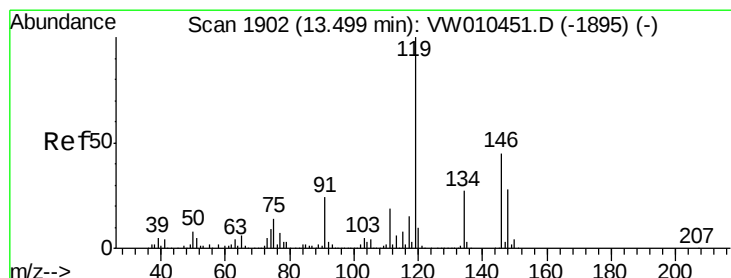
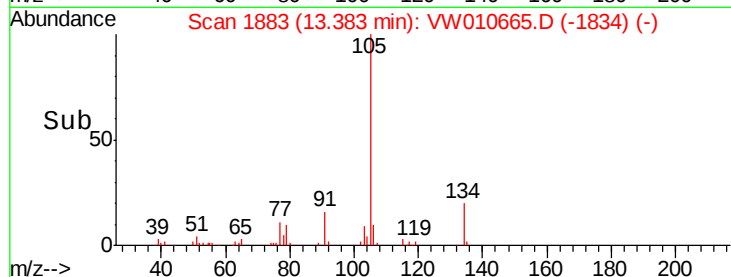
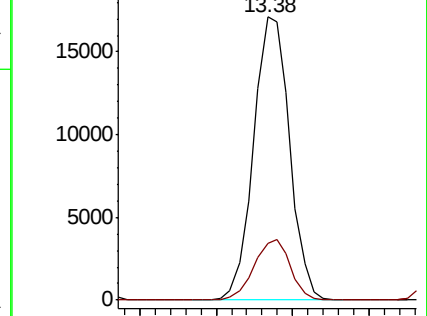
105 100

134 21.3 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.293 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

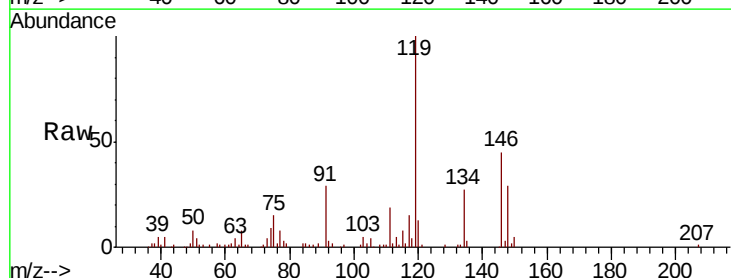
Tgt Ion:119 Resp: 22342

Ion Ratio Lower Upper

119 100

134 28.6 13.6 40.7

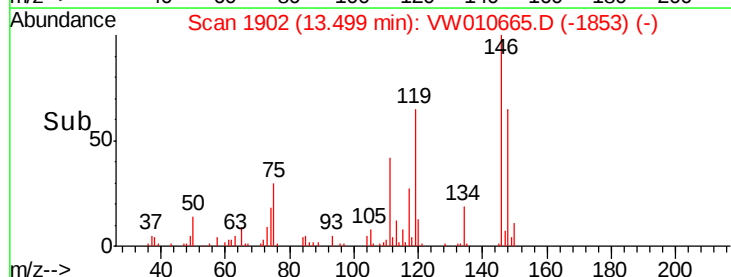
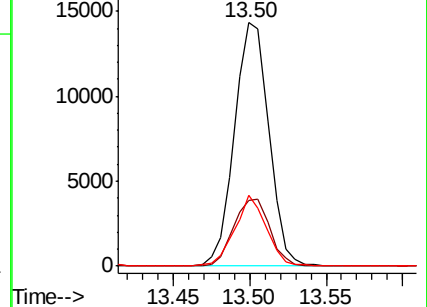
91 26.7 11.9 35.7

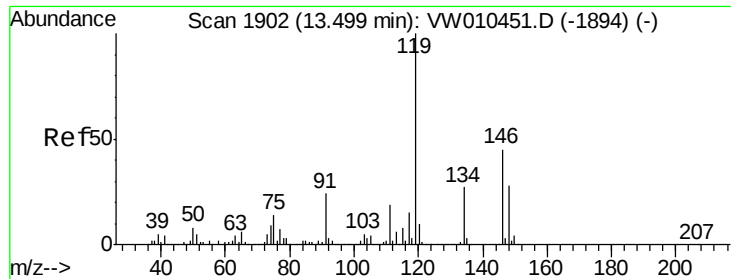


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

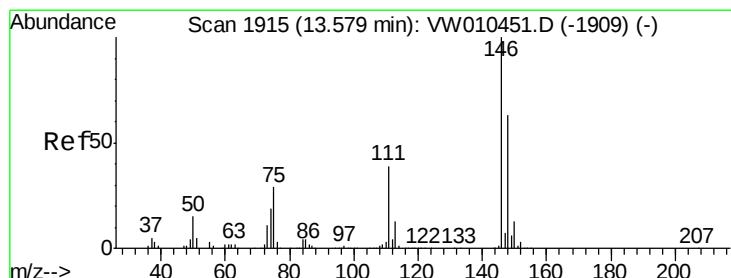
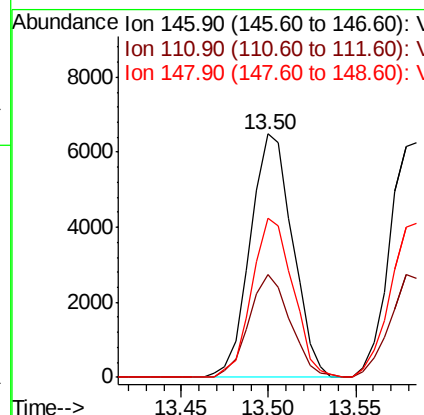
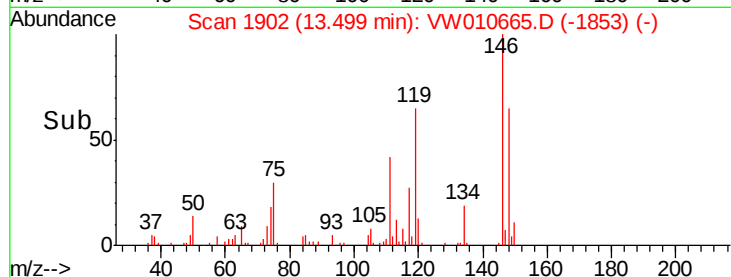
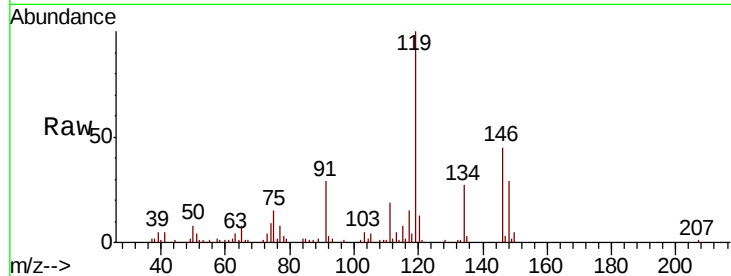




#87
 1,3-Dichlorobenzene
 Concen: 49.436 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

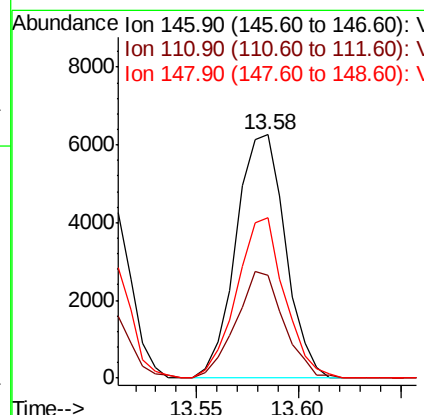
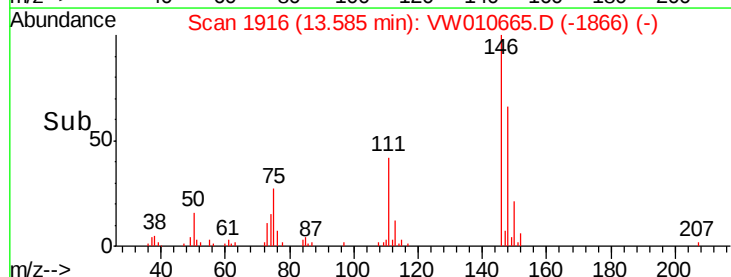
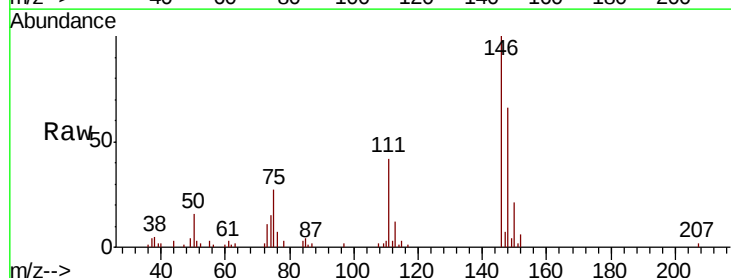
Instrument :
 MSVOA_W
 ClientSampleId :

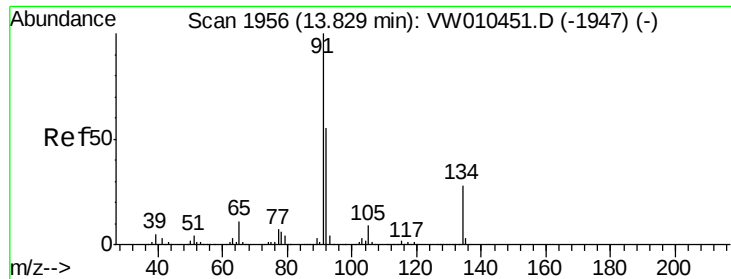
Tot Ion:146 Resp: 10942
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.9
 148 63.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 47.332 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion:146 Resp: 10511
 Ion Ratio Lower Upper
 146 100
 111 42.5 19.9 59.6
 148 63.9 31.6 94.8





#89

n-Butylbenzene

Concen: 36.481 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

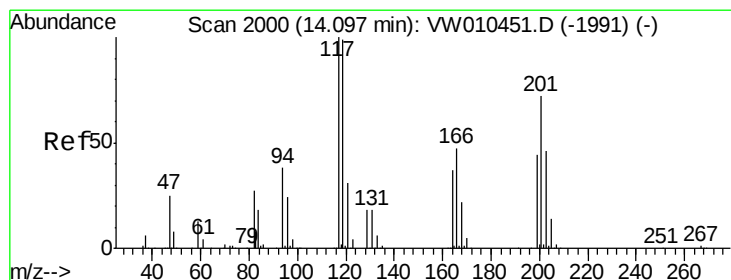
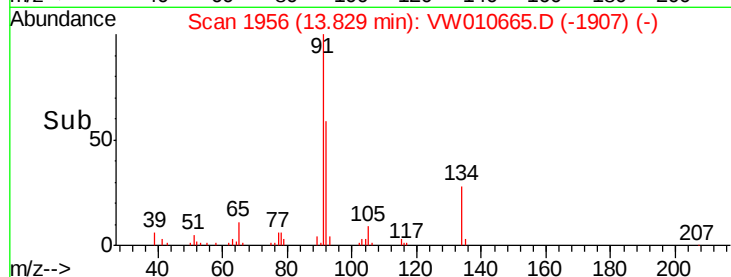
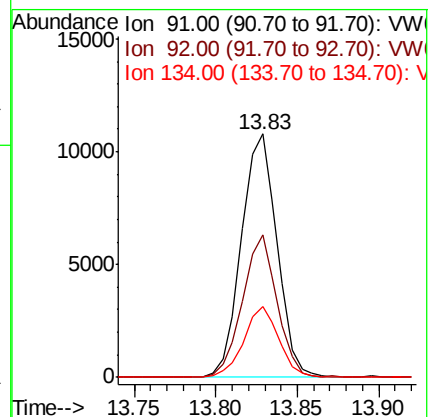
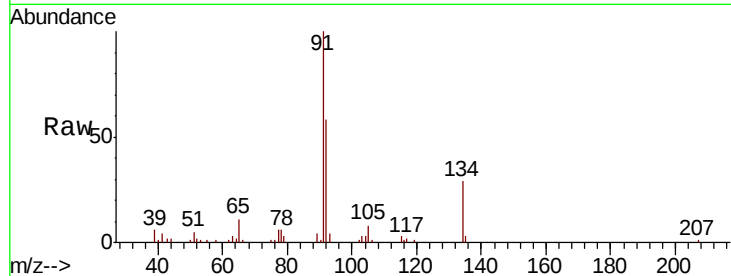
Tot Ion: 91 Resp: 16393

Ion Ratio Lower Upper

91 100

92 56.7 27.7 83.1

134 28.7 13.9 41.6



#90

Hexachloroethane

Concen: 40.627 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010665.D

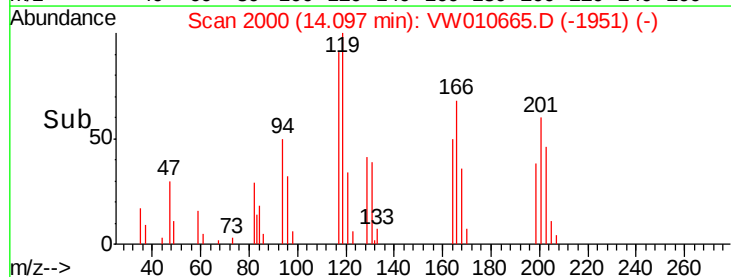
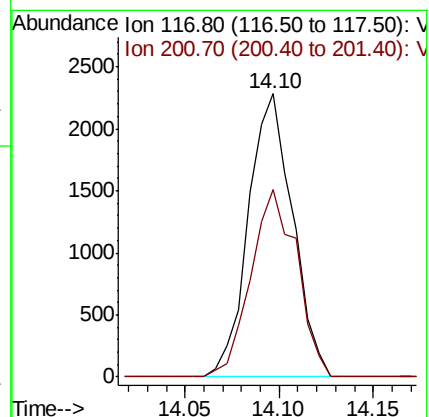
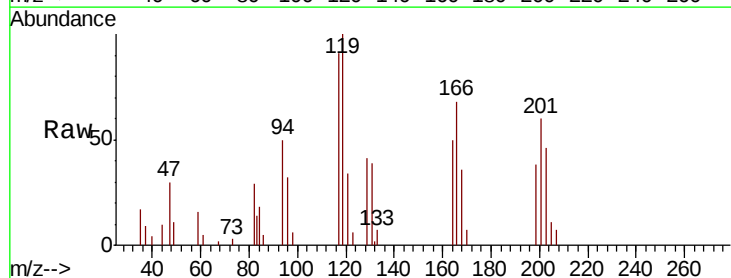
Acq: 03 Jun 2019 17:49

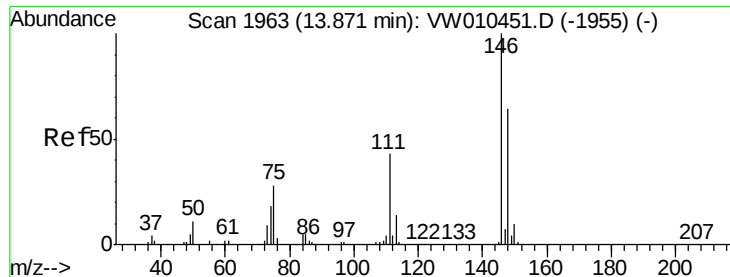
Tgt Ion: 117 Resp: 3715

Ion Ratio Lower Upper

117 100

201 68.8 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 45.837 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

Instrument :

MSVOA_W

ClientSampleId :

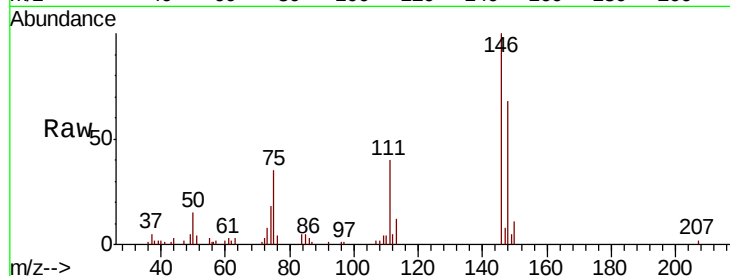
Tot Ion:146 Resp: 9244

Ion Ratio Lower Upper

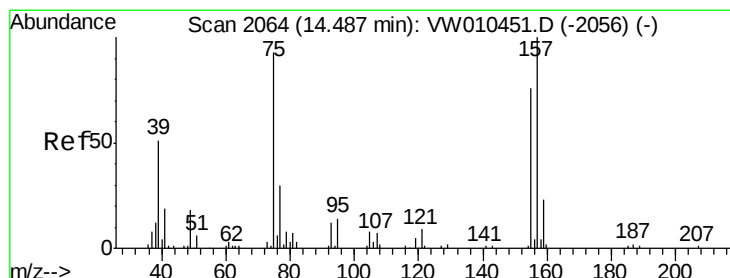
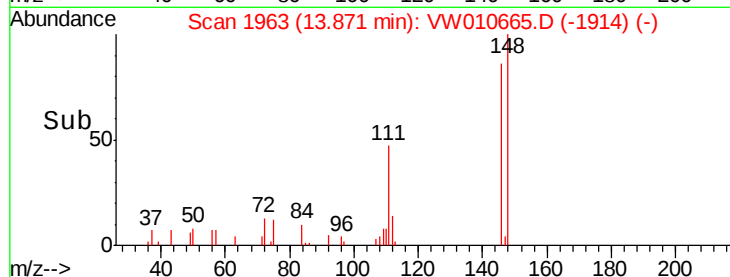
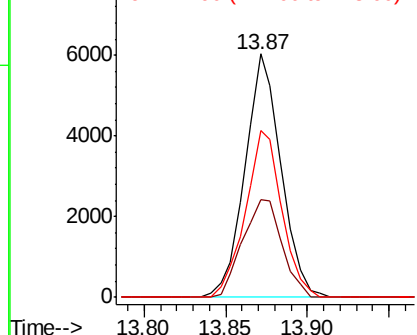
146 100

111 44.0 21.3 64.0

148 69.3 32.0 96.0



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: 70.381 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010665.D

Acq: 03 Jun 2019 17:49

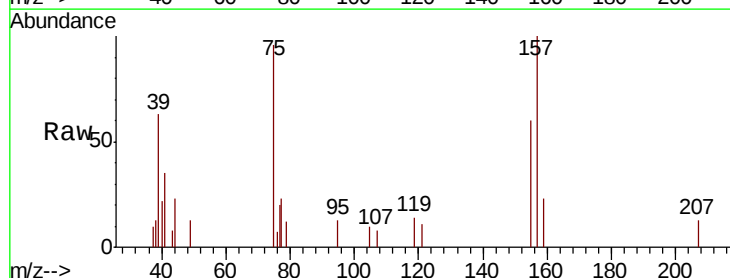
Tgt Ion: 75 Resp: 1200

Ion Ratio Lower Upper

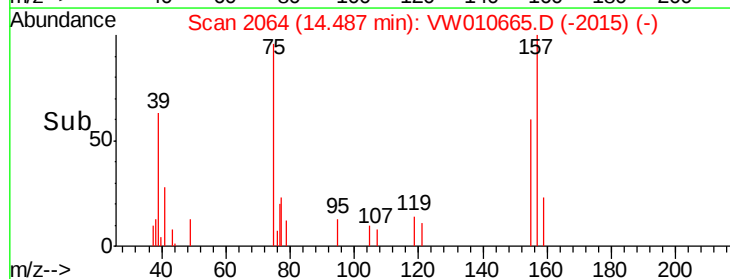
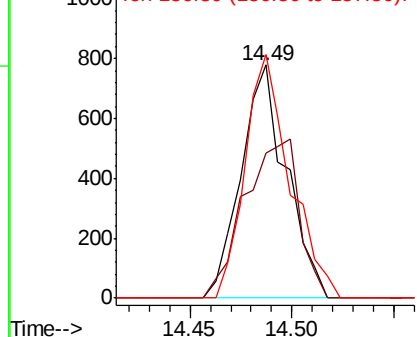
75 100

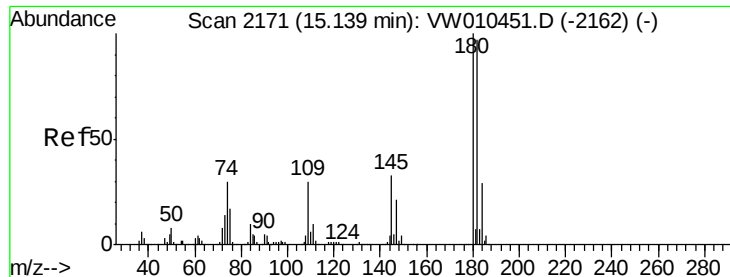
155 81.8 43.0 129.0

157 103.4 55.7 167.1



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

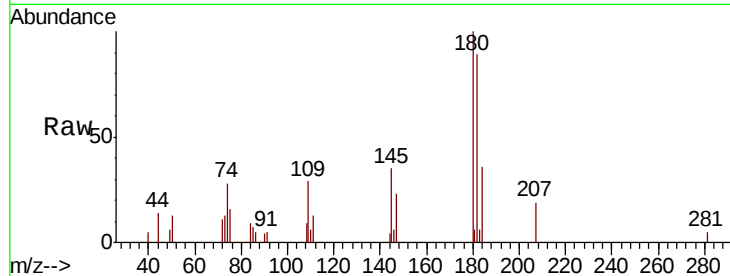




#93
 1,2,4-Trichlorobenzene
 Concen: 17.134 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.3	47.0	141.2
145	33.6	16.7	50.0

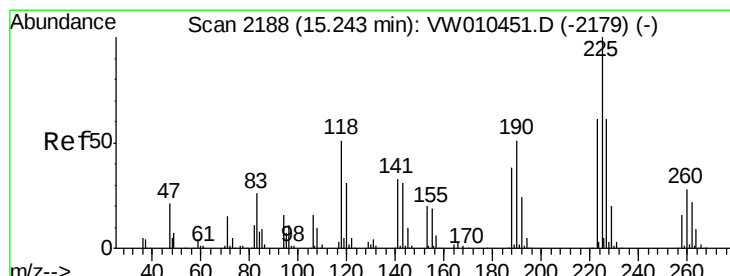
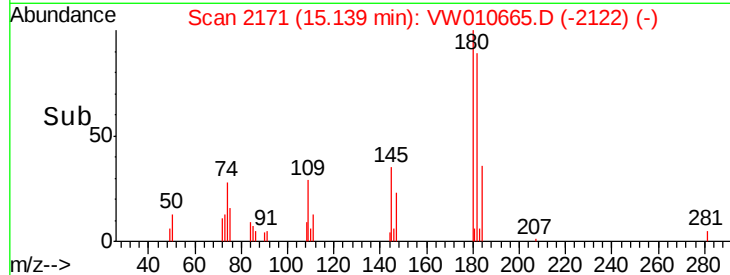
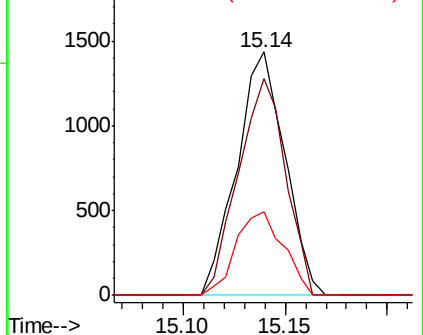


Abundance

Ion 179.80 (179.50 to 180.50): V

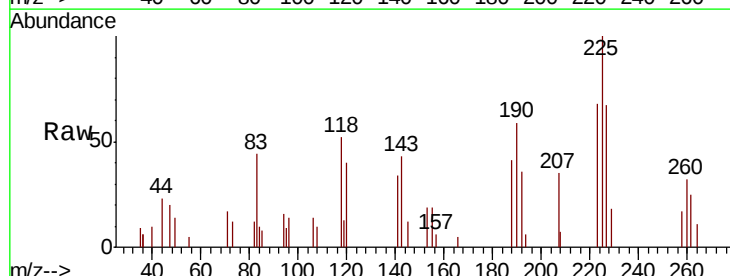
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 27.161 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010665.D
 Acq: 03 Jun 2019 17:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.2	31.1	93.2
227	63.5	31.1	93.5

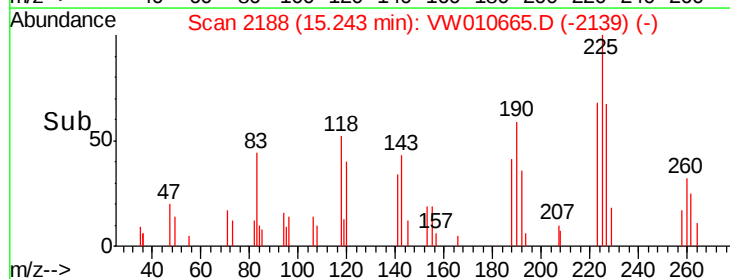
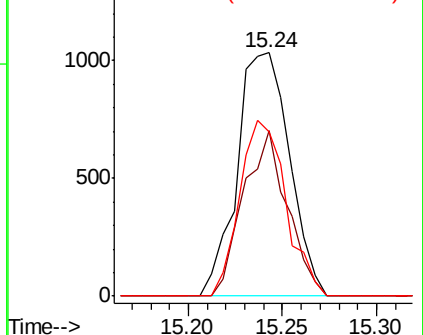


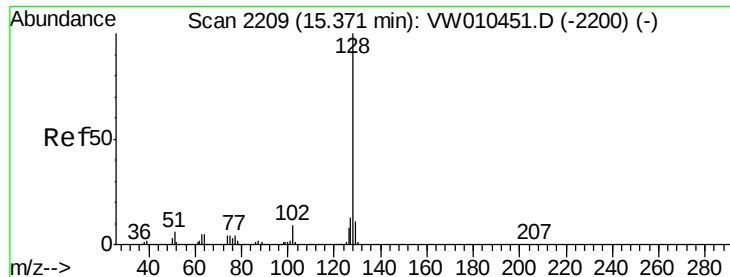
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

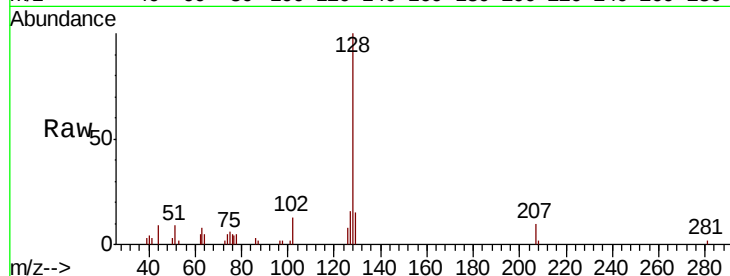




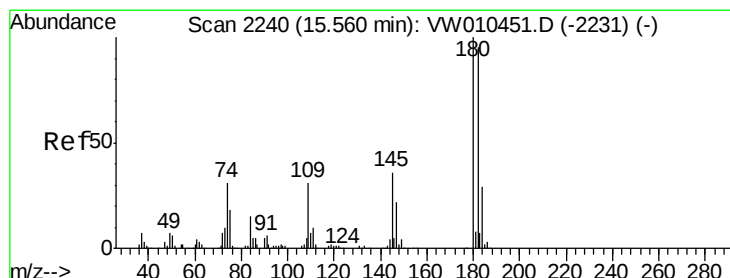
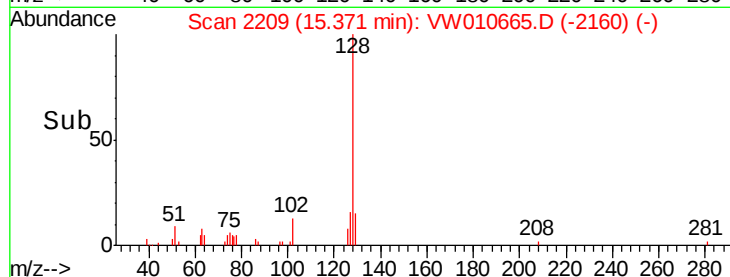
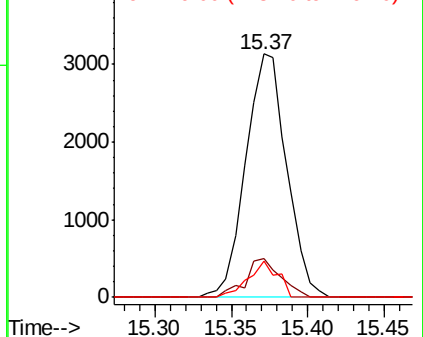
#95
Naphthalene
Concen: 20.220 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 5824
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.7 8.9 13.3

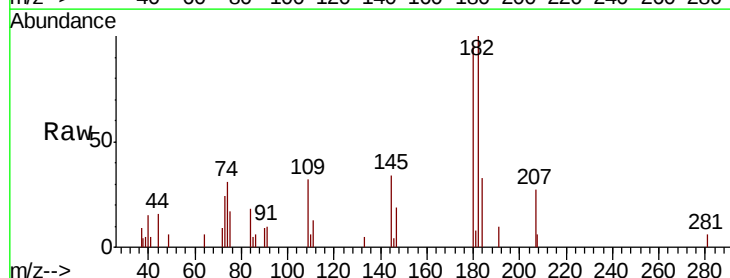


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.015 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010665.D
Acq: 03 Jun 2019 17:49

Tgt Ion:180 Resp: 2127
Ion Ratio Lower Upper
180 100
182 95.4 47.1 141.3
145 31.3 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

