

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011330.D
 Acq On : 18 Jul 2019 10:48
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:43:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135989	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	103631	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
35) Dibromofluoromethane	7.88	113	82047	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	
50) Toluene-d8	10.32	98	331474	43.60	ug/l	0.00
Spiked Amount			Recovery	=	87.20%	
62) 4-Bromofluorobenzene	12.62	95	118518	42.53	ug/l	0.00
Spiked Amount			Recovery	=	85.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	63413	44.146	ug/l	97
3) Chloromethane	2.21	50	86513	46.740	ug/l	96
4) Vinyl Chloride	2.36	62	111105	45.861	ug/l	96
5) Bromomethane	2.77	94	59053	48.509	ug/l	94
6) Chloroethane	2.92	64	63187	48.423	ug/l	97
7) Trichlorofluoromethane	3.25	101	41535	48.261	ug/l	98
8) Diethyl Ether	3.68	74	56932	47.809	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	96312	46.720	ug/l	99
10) Methyl Iodide	4.26	142	138047	48.688	ug/l	99
11) Tert butyl alcohol	5.15	59	38531	215.042	ug/l	99
12) 1,1-Dichloroethene	4.04	96	102475	47.893	ug/l	95
13) Acrolein	3.89	56	32213	225.772	ug/l	99
14) Allyl chloride	4.66	41	200684	51.435	ug/l	99
15) Acrylonitrile	5.36	53	145448	239.825	ug/l	99
16) Acetone	4.12	43	184628	317.059	ug/l	98
17) Carbon Disulfide	4.38	76	306109	47.190	ug/l	99
18) Methyl Acetate	4.67	43	68375	41.037	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	157023	48.366	ug/l	99
20) Methylene Chloride	4.92	84	119720	52.116	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	107523	48.362	ug/l	94
22) Diisopropyl ether	6.31	45	405268	48.293	ug/l	99
23) Vinyl Acetate	6.24	43	1348386	259.630	ug/l	100
24) 1,1-Dichloroethane	6.21	63	215323	48.863	ug/l	99
25) 2-Butanone	7.17	43	245688	268.782	ug/l	99
26) 2,2-Dichloropropane	7.16	77	116255	50.752	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	117109	48.830	ug/l	98
28) Bromochloromethane	7.51	49	95388	47.605	ug/l	100
29) Tetrahydrofuran	7.52	42	139165	232.186	ug/l	100
30) Chloroform	7.67	83	196932	48.255	ug/l	99
31) Cyclohexane	7.95	56	213530	45.547	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	149577	48.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	162099	48.238	ug/l	100
37) Ethyl Acetate	7.24	43	96846	47.967	ug/l	99
38) Carbon Tetrachloride	8.06	117	137986	48.438	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	195529	48.006	ug/l	97
40) Benzene	8.32	78	452633	48.739	ug/l	98
41) Methacrylonitrile	7.48	41	54853	47.502	ug/l	97
42) 1,2-Dichloroethane	8.40	62	144756	48.050	ug/l	100
43) Isopropyl Acetate	8.42	43	178886	46.928	ug/l	100
44) Trichloroethene	9.09	130	109021	48.783	ug/l	98
45) 1,2-Dichloropropane	9.37	63	122672	48.779	ug/l	98
46) Dibromomethane	9.46	93	57085	48.322	ug/l	98
47) Bromodichloromethane	9.64	83	148720	49.201	ug/l	100
48) Methyl methacrylate	9.43	41	86785	47.323	ug/l	99
49) 1,4-Dioxane	9.44	88	17172	870.840	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	474794	238.442	ug/l	100
52) Toluene	10.38	92	277269	49.217	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	155457	48.317	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	185180	48.897	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	80487	48.025	ug/l	97
56) Ethyl methacrylate	10.65	69	121225	47.510	ug/l	99
57) 1,3-Dichloropropane	10.93	76	153165	48.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	240217	203.073	ug/l	100
59) 2-Hexanone	10.97	43	352283	255.107	ug/l	99
60) Dibromochloromethane	11.13	129	89620	48.765	ug/l	98
61) 1,2-Dibromoethane	11.23	107	76599	48.251	ug/l	98
64) Tetrachloroethene	10.86	164	87678	46.895	ug/l	99
65) Chlorobenzene	11.66	112	278691	49.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	97810	49.312	ug/l	98
67) Ethyl Benzene	11.73	91	535126	49.621	ug/l	99
68) m/p-Xylenes	11.84	106	391145	100.237	ug/l	99
69) o-Xylene	12.16	106	180936	49.196	ug/l	100
70) Styrene	12.18	104	317433	50.010	ug/l	99
71) Bromoform	12.35	173	49436	46.877	ug/l #	99
73) Isopropylbenzene	12.46	105	500805	49.264	ug/l	100
74) N-amyl acetate	12.27	43	165854	46.845	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	98210	47.130	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	127393	81.063	ug/l #	100
77) Bromobenzene	12.75	156	110600	48.480	ug/l	99
78) n-propylbenzene	12.80	91	620413	49.543	ug/l	100
79) 2-Chlorotoluene	12.89	91	353342	49.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	425206	49.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30925	44.509	ug/l	98
82) 4-Chlorotoluene	12.99	91	367086	48.908	ug/l	100
83) tert-Butylbenzene	13.21	119	356786	49.536	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	429862	49.570	ug/l	99
85) sec-Butylbenzene	13.38	105	511874	49.252	ug/l	100
86) p-Isopropyltoluene	13.50	119	464041	49.781	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	217065	49.453	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	214455	48.520	ug/l	99
89) n-Butylbenzene	13.82	91	467661	50.291	ug/l	99
90) Hexachloroethane	14.10	117	81255	47.702	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	193012	48.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16382	44.321	ug/l	98

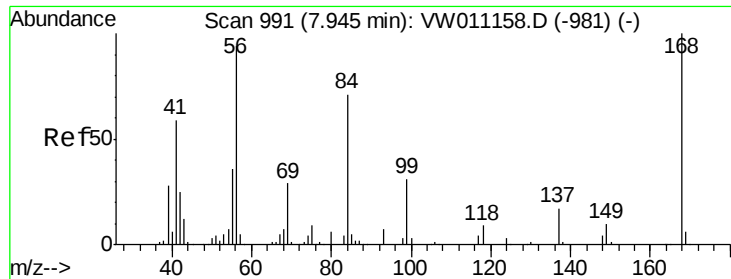
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	135049	49.239	ug/l	99
94) Hexachlorobutadiene	15.24	225	81266	48.261	ug/l	99
95) Naphthalene	15.37	128	251059	47.767	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	119509	49.371	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

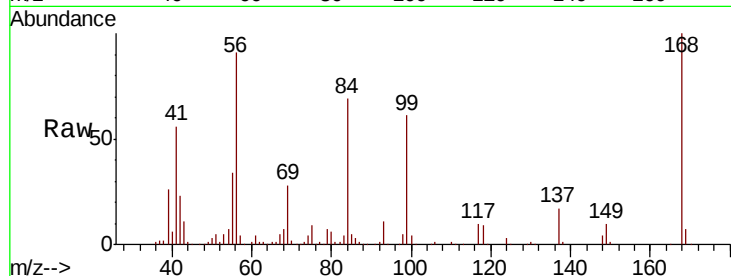
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 192604

Ion Ratio Lower Upper

168 100

99 60.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

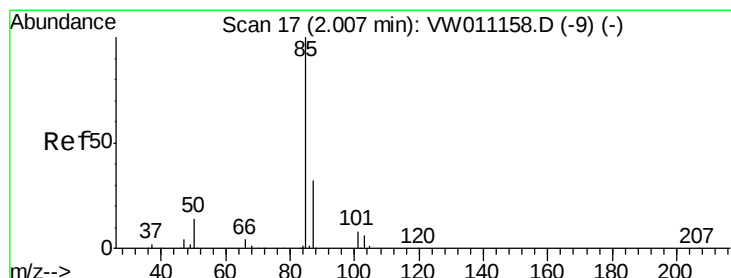
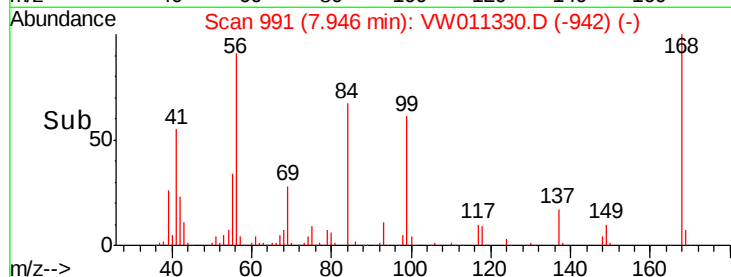
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 44.146 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011330.D

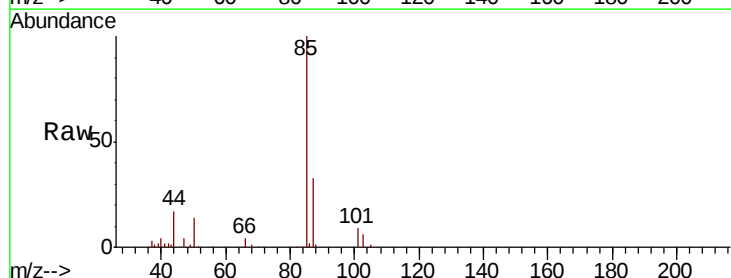
Acq: 18 Jul 2019 10:48

Tgt Ion: 85 Resp: 63413

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

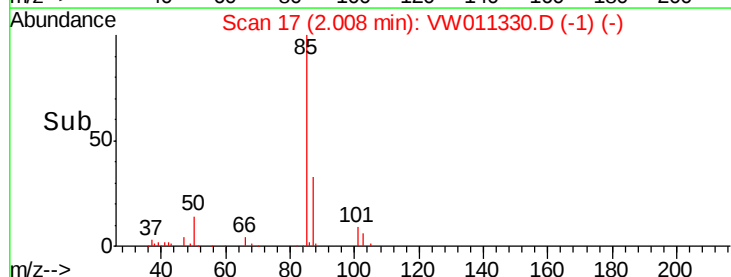
15000

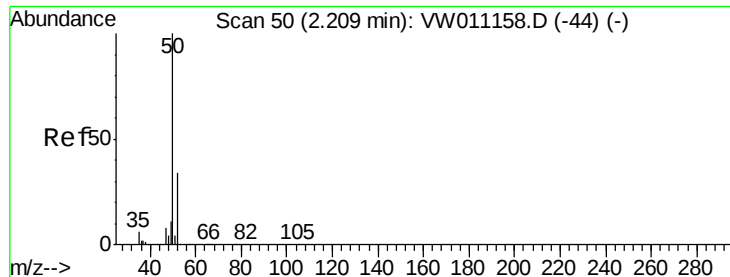
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 46.740 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

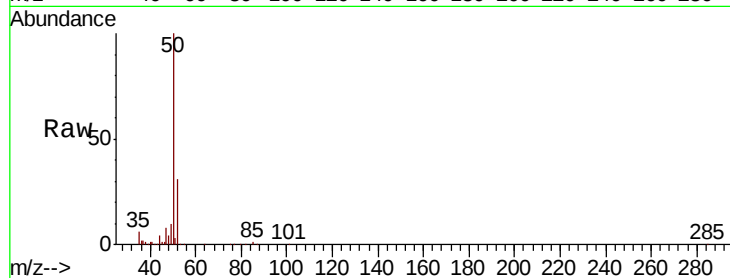
ClientSampleId :

Tot Ion: 50 Resp: 86513

Ion Ratio Lower Upper

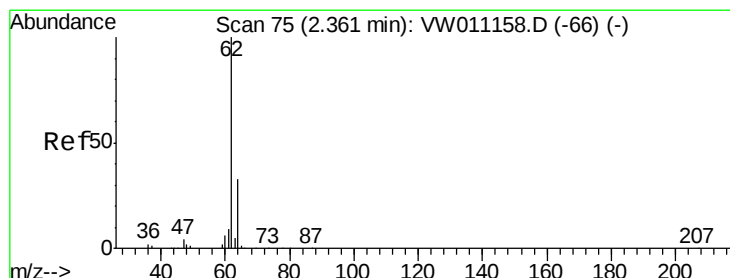
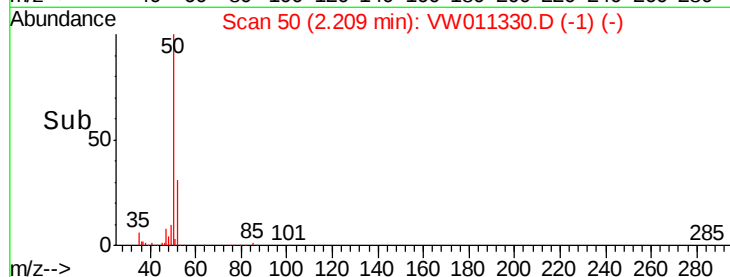
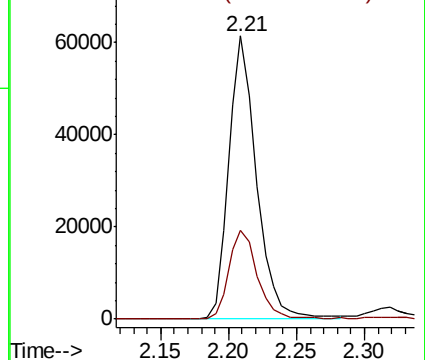
50 100

52 31.2 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 45.861 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011330.D

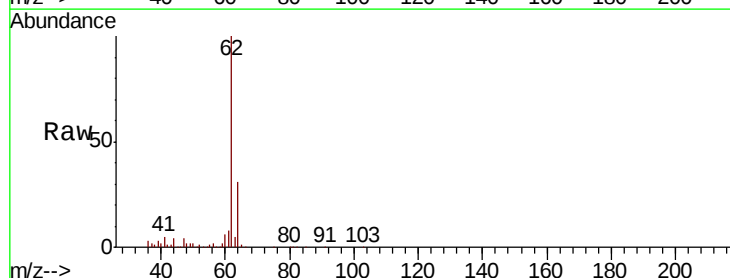
Acq: 18 Jul 2019 10:48

Tgt Ion: 62 Resp: 111105

Ion Ratio Lower Upper

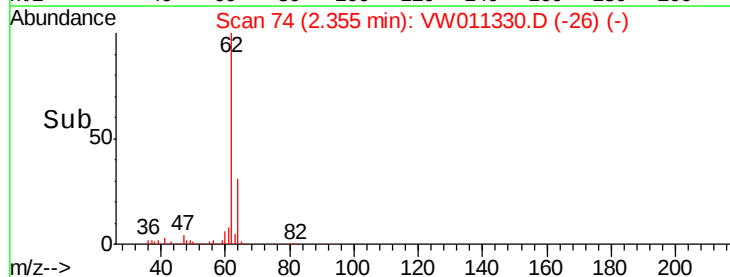
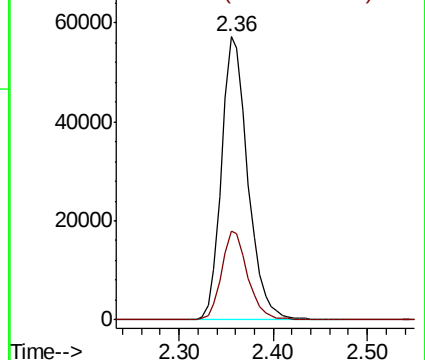
62 100

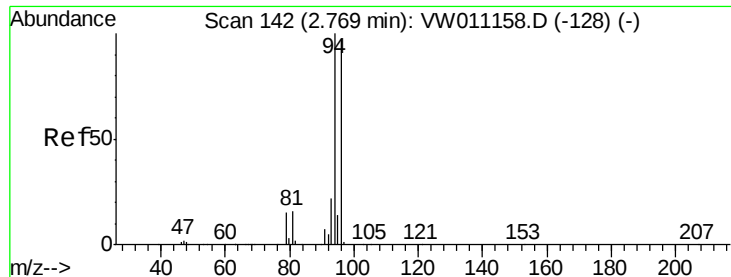
64 31.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 48.509 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

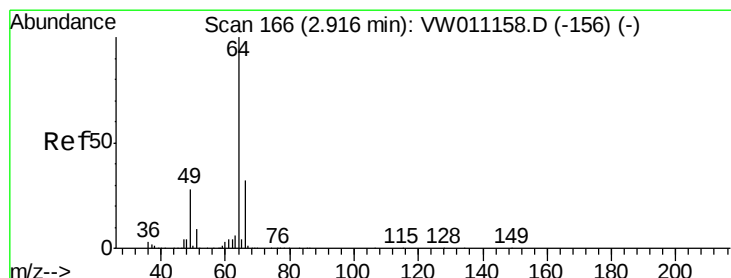
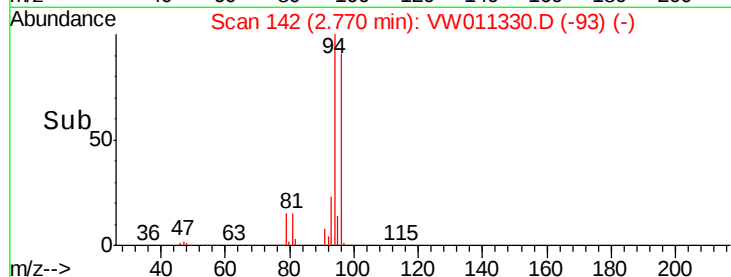
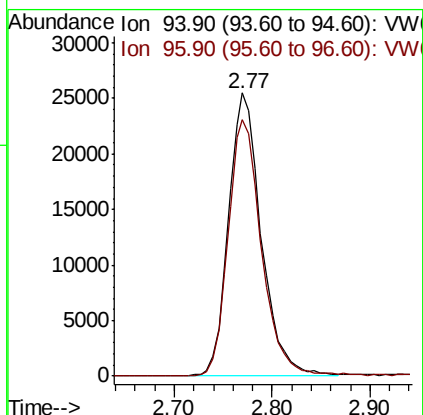
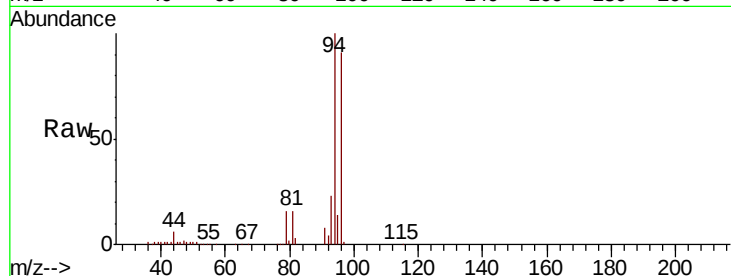
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 59053

Ion Ratio Lower Upper

94 100

96 90.4 77.4 116.0



#6

Chloroethane

Concen: 48.423 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011330.D

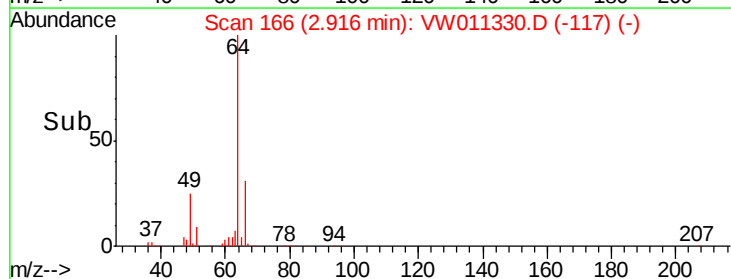
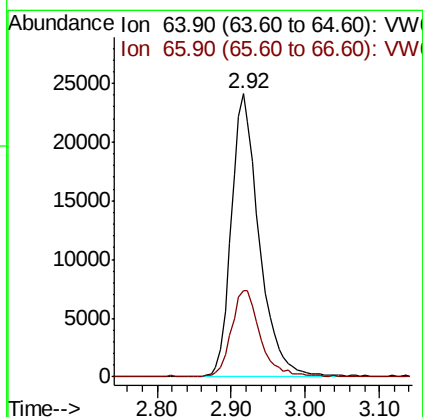
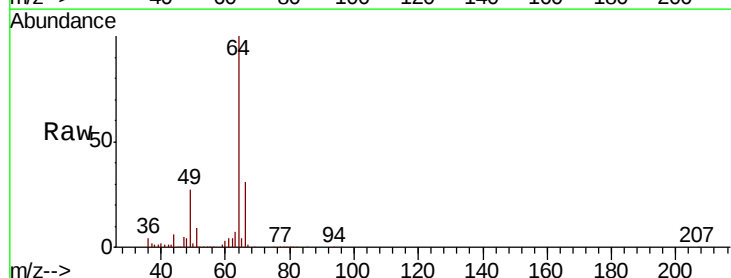
Acq: 18 Jul 2019 10:48

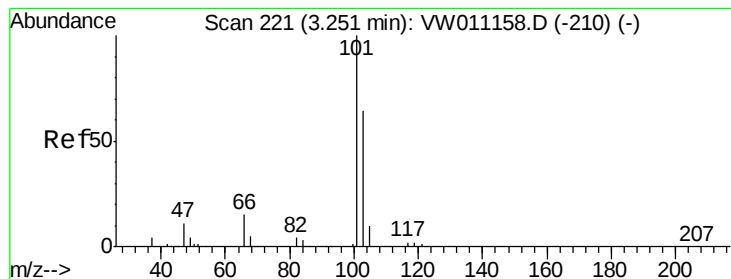
Tgt Ion: 64 Resp: 63187

Ion Ratio Lower Upper

64 100

66 30.4 25.8 38.8



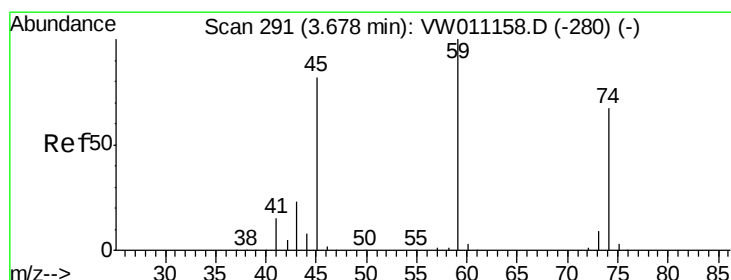
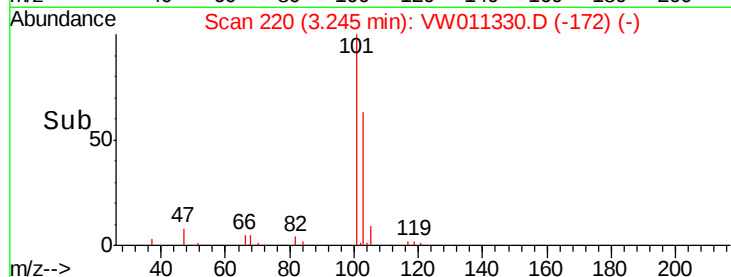
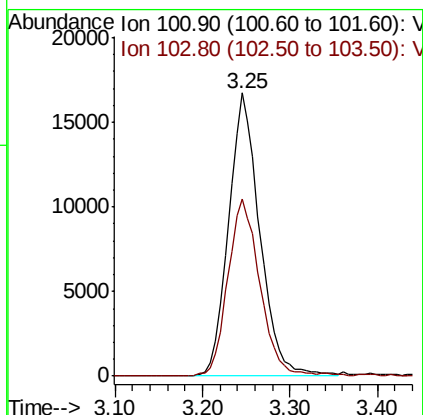
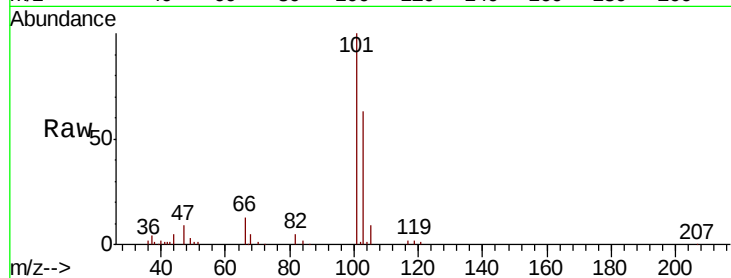


#7

Trichlorofluoromethane
 Concen: 48.261 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :

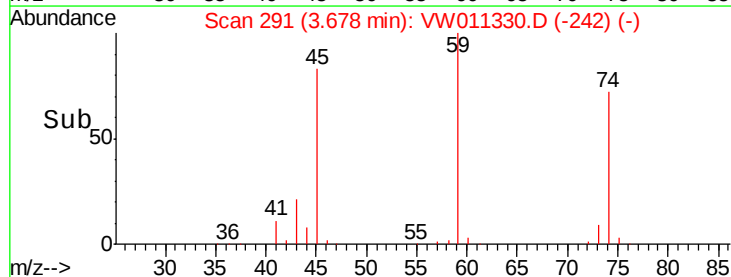
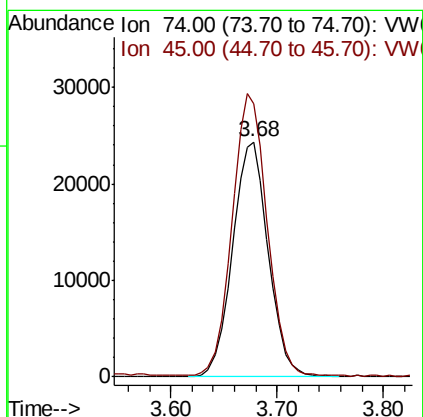
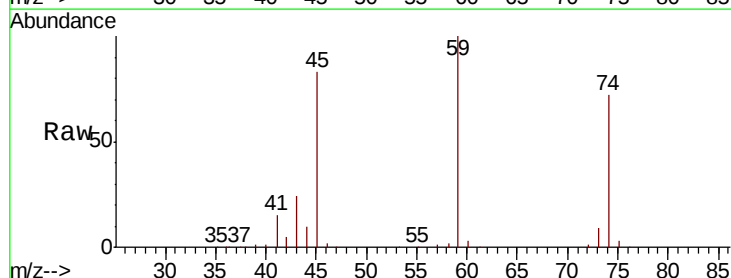
Tot Ion:101 Resp: 41535
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.3 76.9

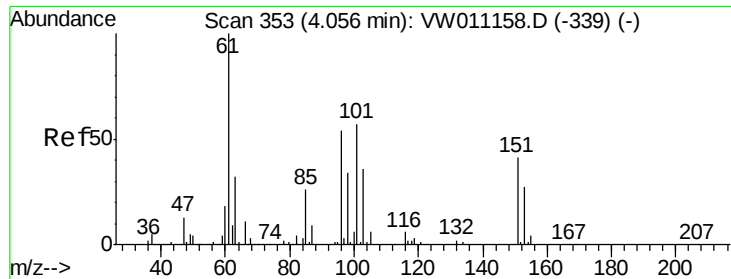


#8

Diethyl Ether
 Concen: 47.809 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 74 Resp: 56932
 Ion Ratio Lower Upper
 74 100
 45 118.4 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.720 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampled :

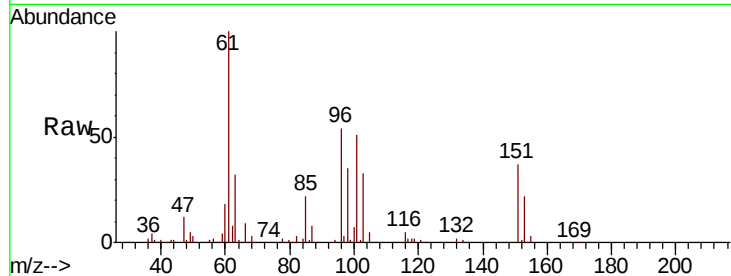
Tot Ion:101 Resp: 96312

Ion Ratio Lower Upper

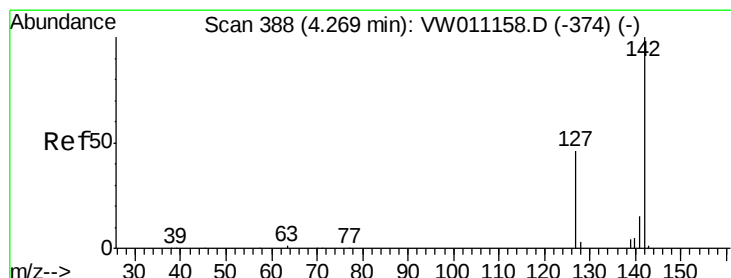
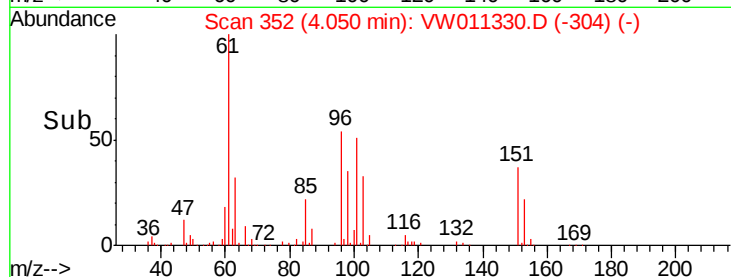
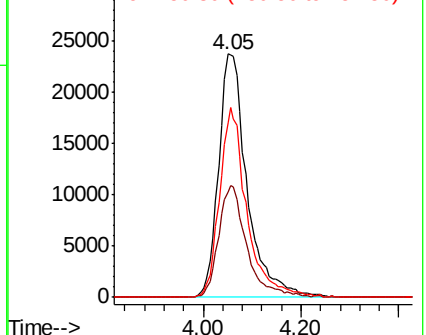
101 100

85 45.0 36.5 54.7

151 74.2 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.688 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

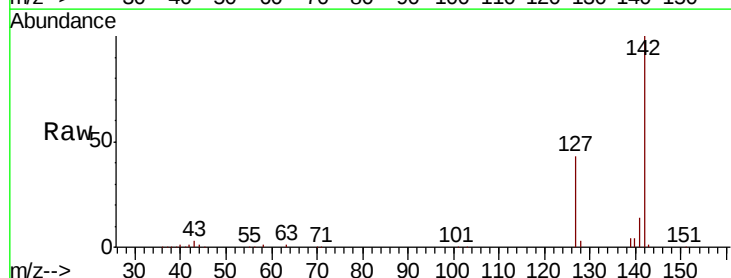
Tgt Ion:142 Resp: 138047

Ion Ratio Lower Upper

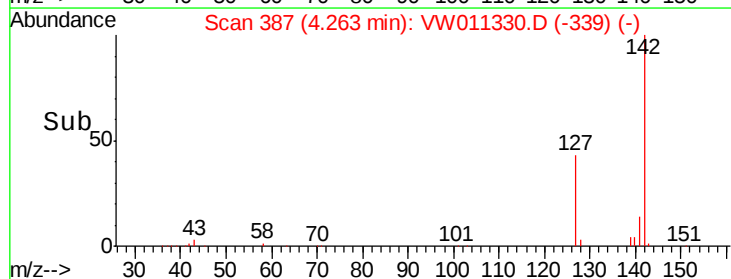
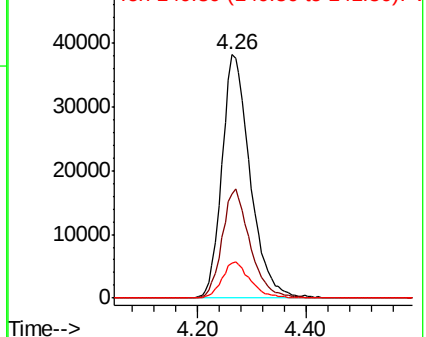
142 100

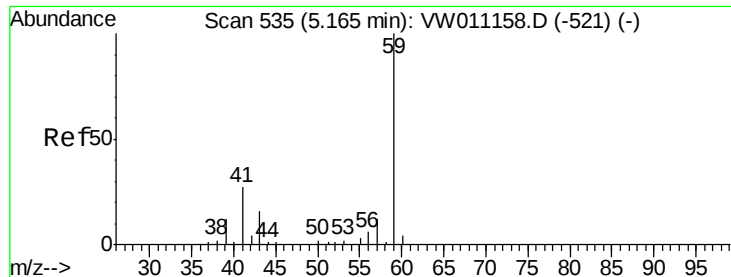
127 44.2 35.7 53.5

141 14.7 11.5 17.3



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



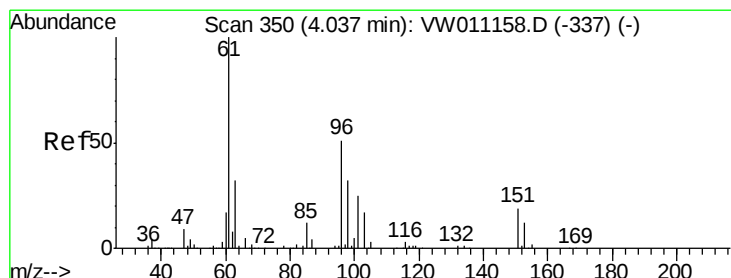
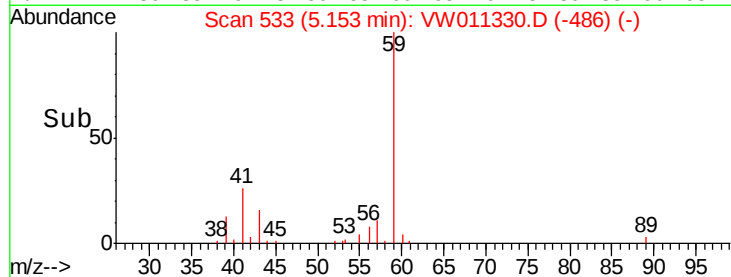
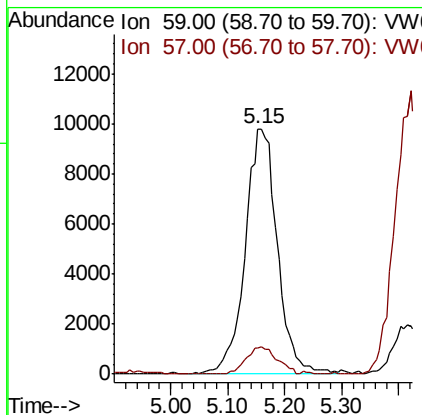
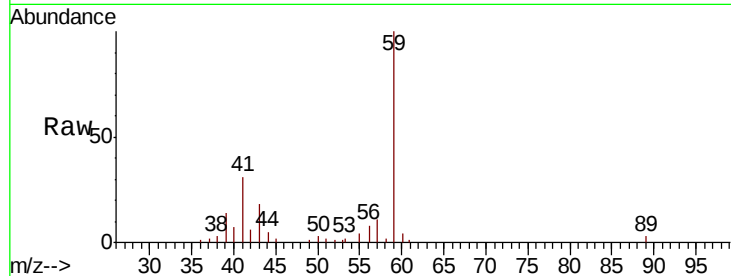


#11

Tert butyl alcohol
 Concen: 215.042 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :

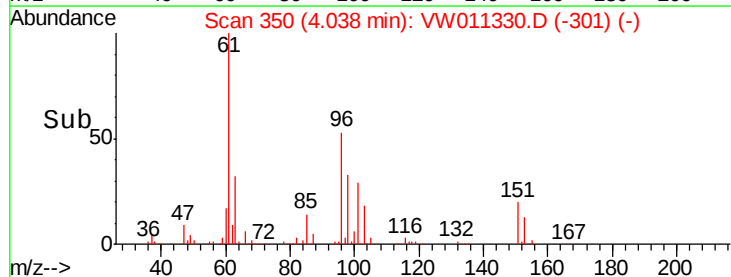
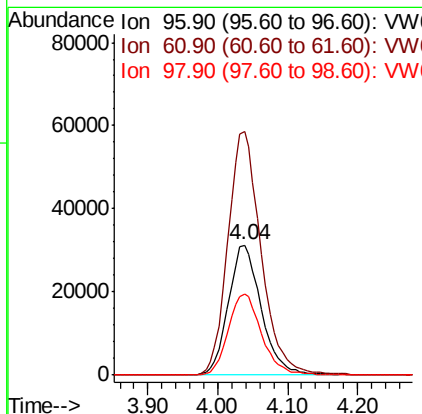
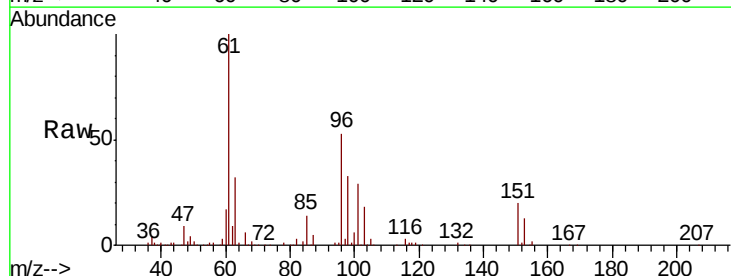
Tot Ion: 59 Resp: 38531
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.0 13.6

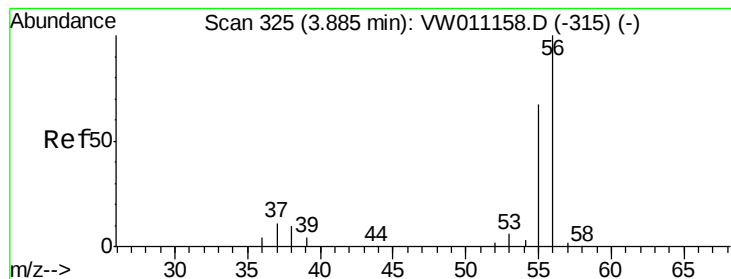


#12

1,1-Dichloroethene
 Concen: 47.893 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 96 Resp: 102475
 Ion Ratio Lower Upper
 96 100
 61 187.3 157.7 236.5
 98 62.0 50.9 76.3





#13

Acrolein

Concen: 225.772 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

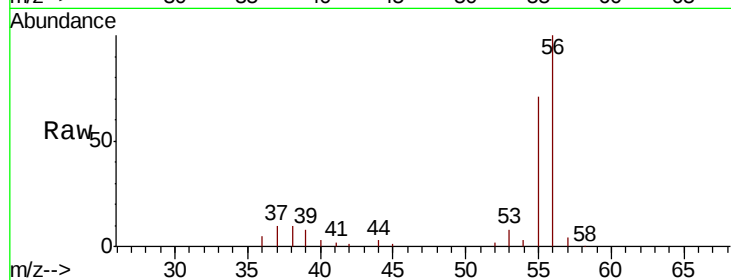
ClientSampleId :

Tot Ion: 56 Resp: 32213

Ion Ratio Lower Upper

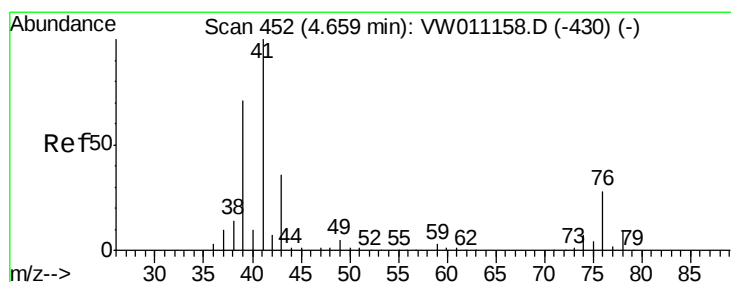
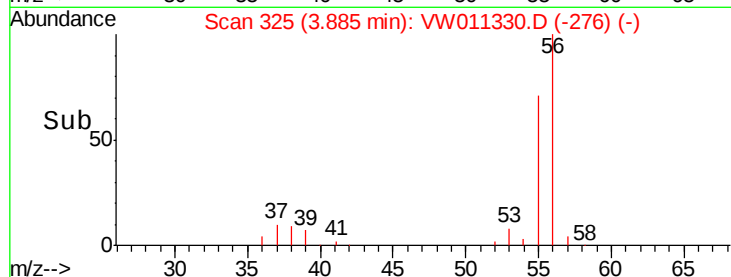
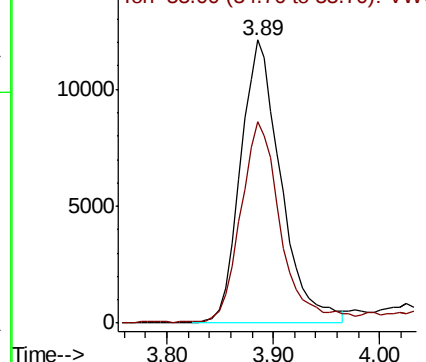
56 100

55 71.5 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 51.435 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

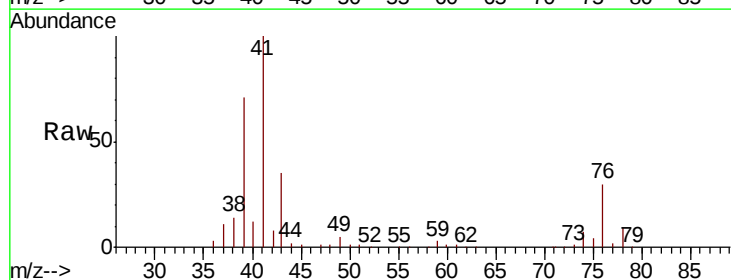
Tgt Ion: 41 Resp: 200684

Ion Ratio Lower Upper

41 100

39 67.9 55.1 82.7

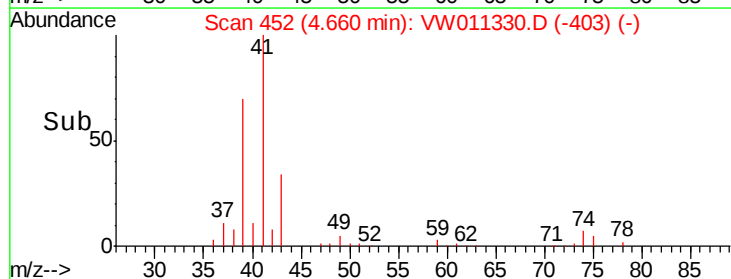
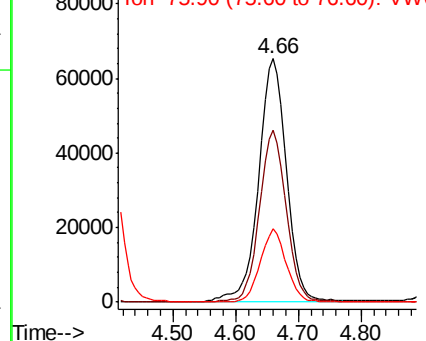
76 28.0 22.5 33.7

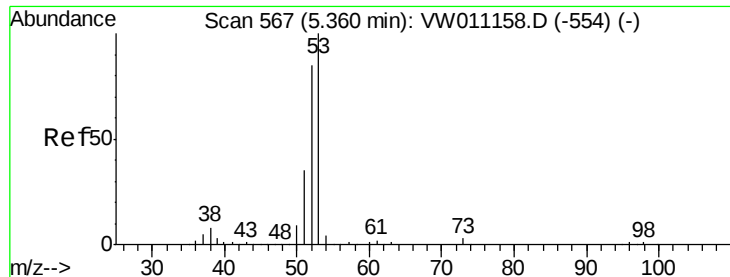


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 239.825 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampled :

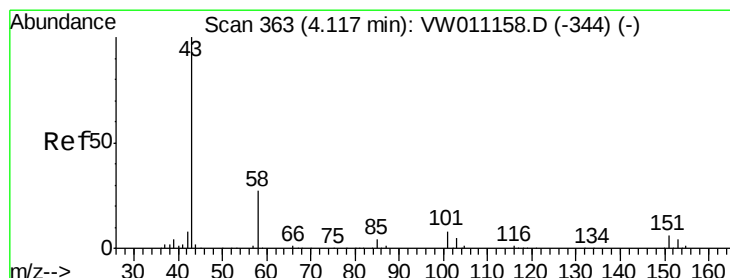
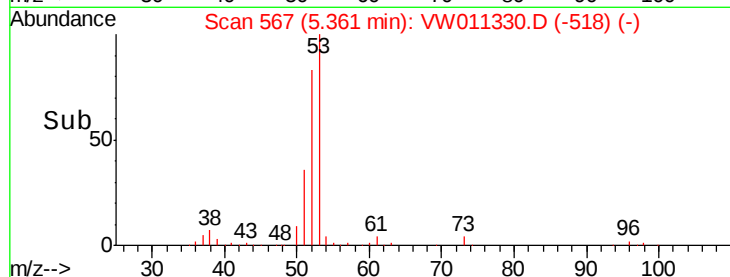
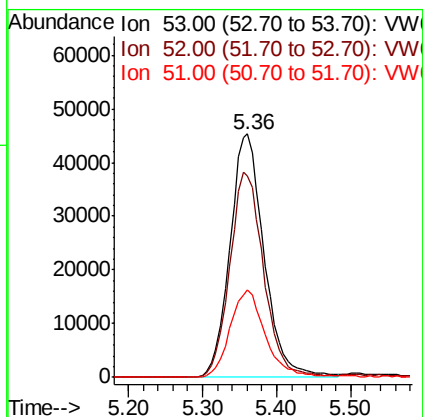
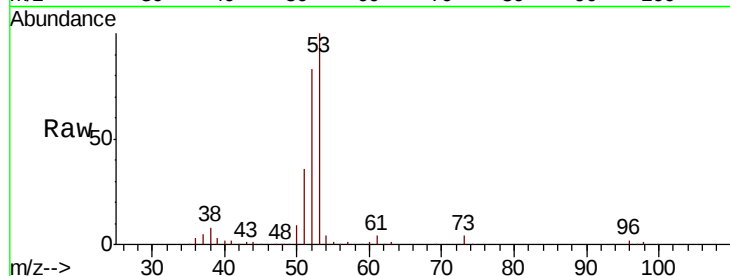
Tot Ion: 53 Resp: 145448

Ion Ratio Lower Upper

53 100

52 83.6 66.2 99.4

51 37.3 29.1 43.7



#16

Acetone

Concen: 317.059 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011330.D

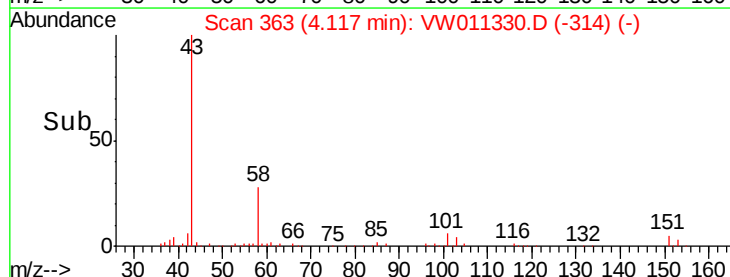
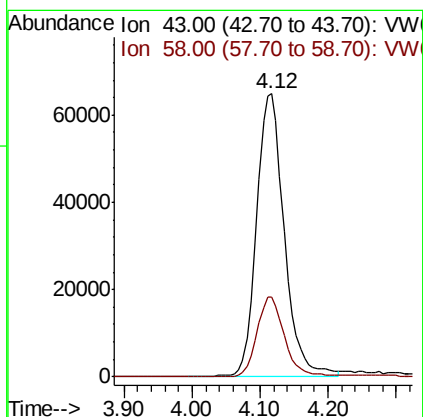
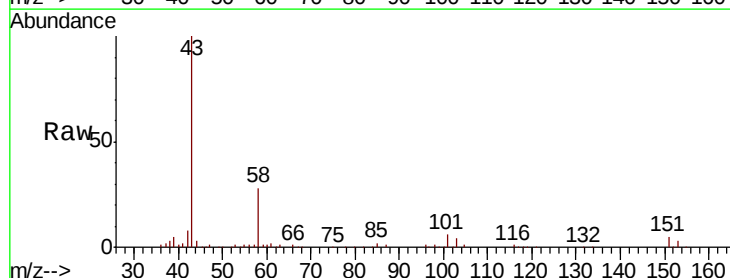
Acq: 18 Jul 2019 10:48

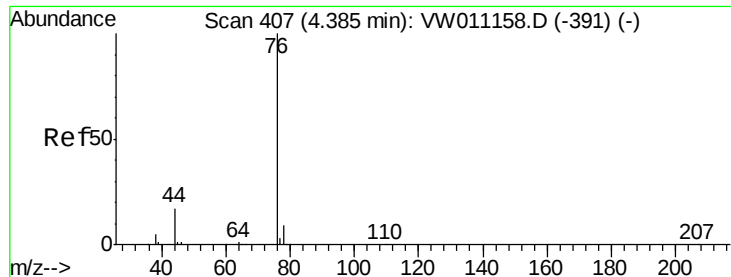
Tgt Ion: 43 Resp: 184628

Ion Ratio Lower Upper

43 100

58 28.0 21.8 32.6

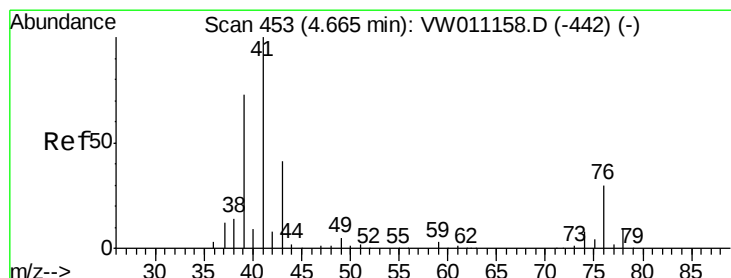
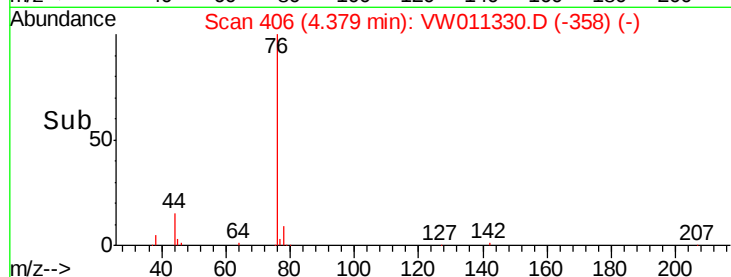
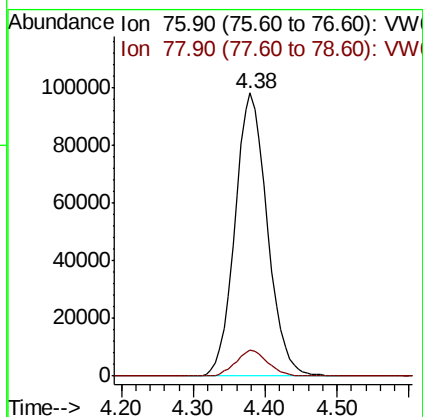
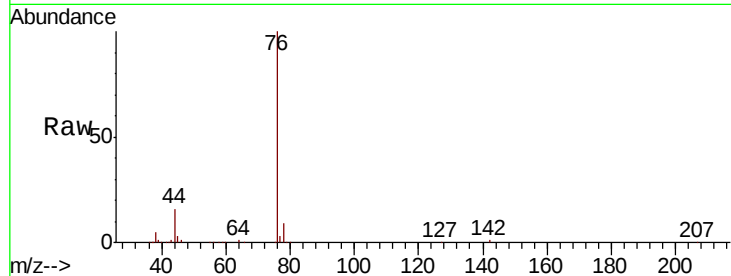




#17
Carbon Disulfide
Concen: 47.190 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

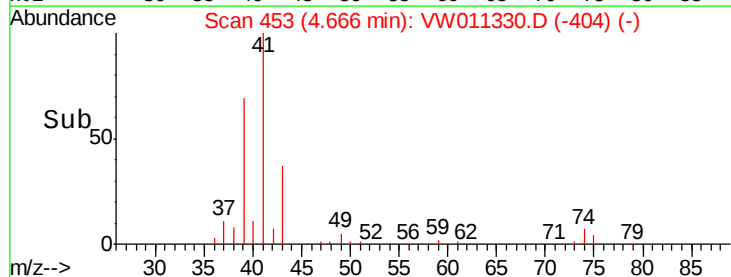
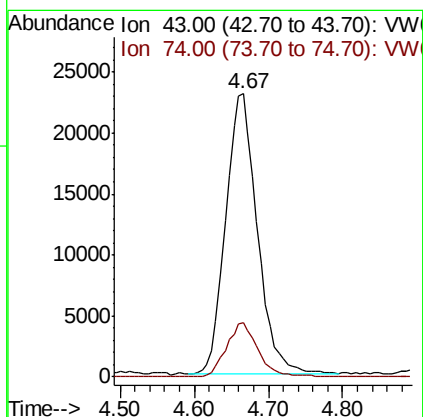
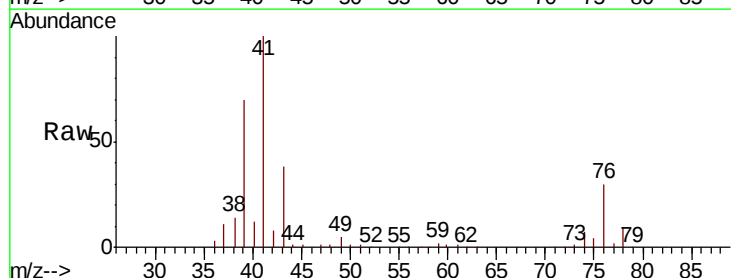
Instrument :
MSVOA_W
ClientSampled :

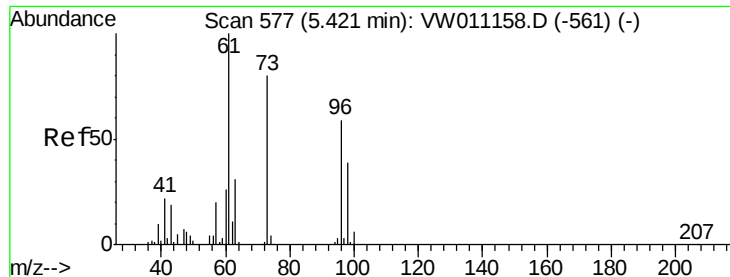
Tot Ion: 76 Resp: 306109
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 41.037 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 43 Resp: 68375
Ion Ratio Lower Upper
43 100
74 19.4 15.7 23.5

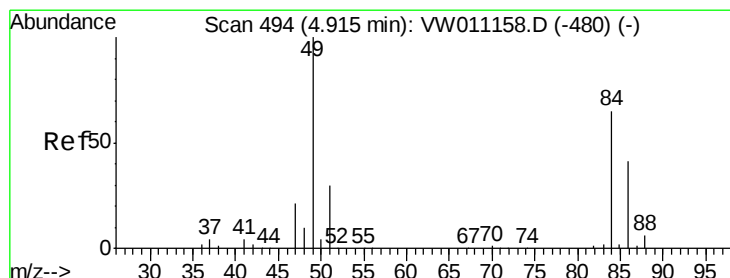
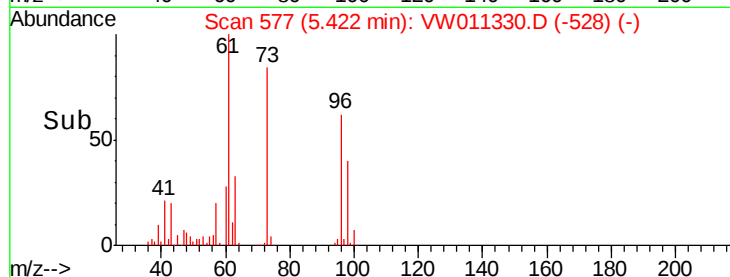
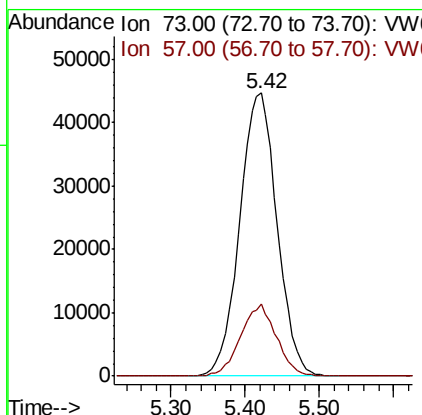
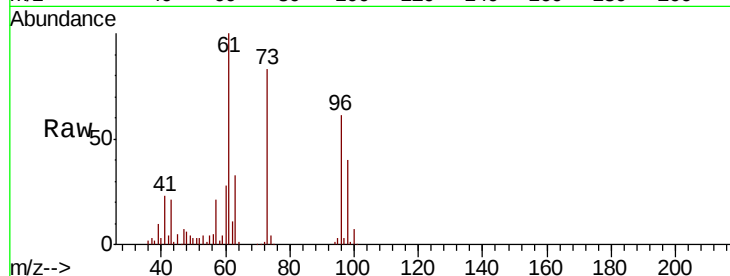




#19
Methyl tert-butyl Ether
Concen: 48.366 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

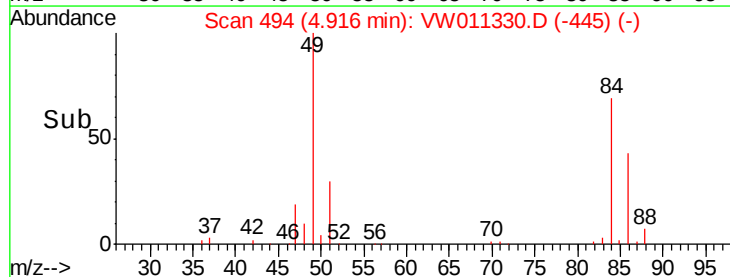
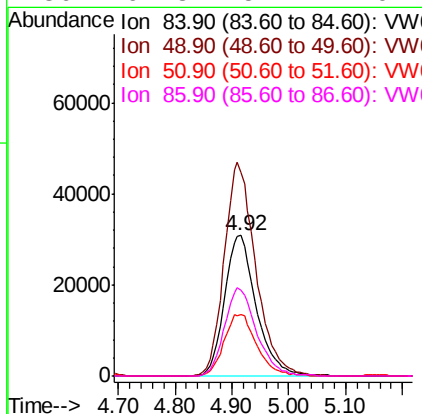
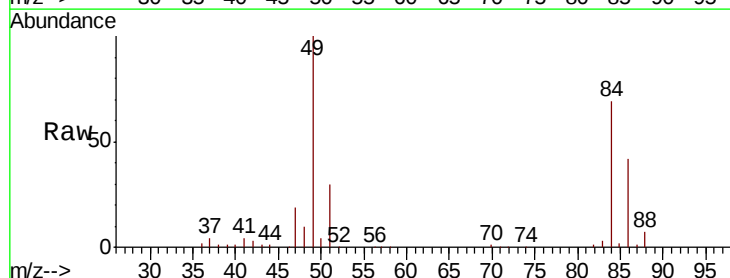
Instrument :
MSVOA_W
ClientSampled :

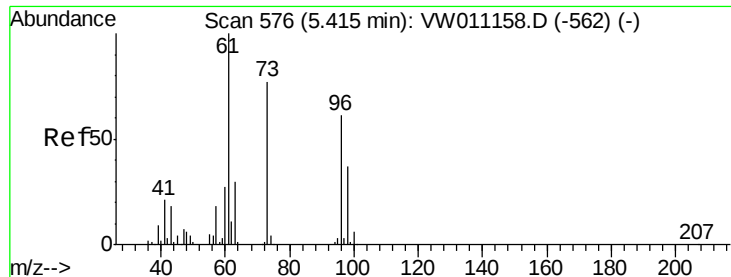
Tot Ion: 73 Resp: 157023
Ion Ratio Lower Upper
73 100
57 25.3 19.7 29.5



#20
Methylene Chloride
Concen: 52.116 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 84 Resp: 119720
Ion Ratio Lower Upper
84 100
49 144.8 123.8 185.6
51 44.1 37.4 56.2
86 61.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.362 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :

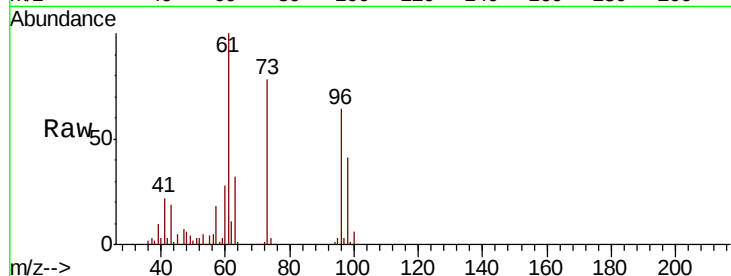
Tot Ion: 96 Resp: 107523

Ion Ratio Lower Upper

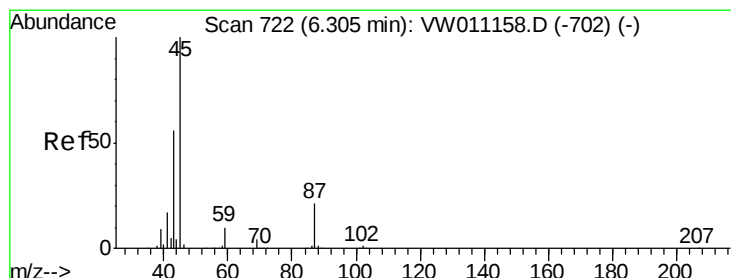
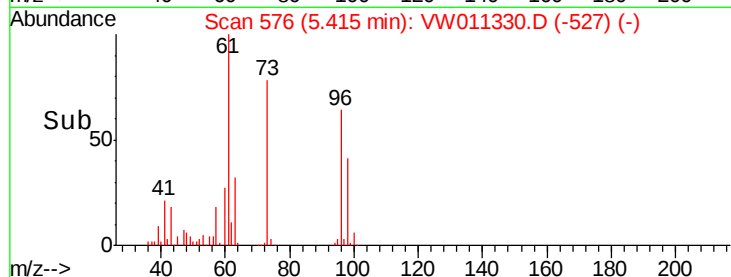
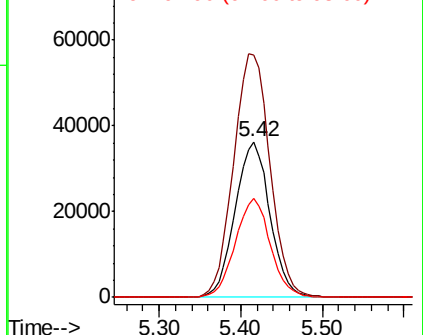
96 100

61 156.2 132.2 198.2

98 64.1 49.4 74.0



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



#22

Diisopropyl ether

Concen: 48.293 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion: 45 Resp: 405268

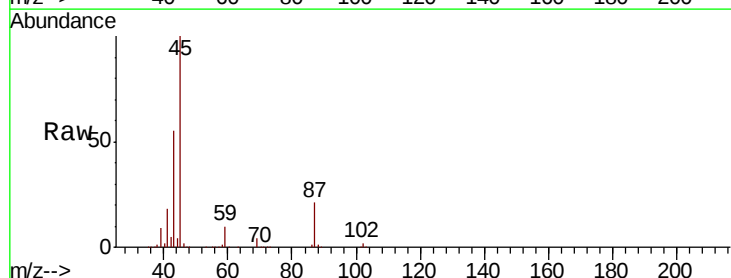
Ion Ratio Lower Upper

45 100

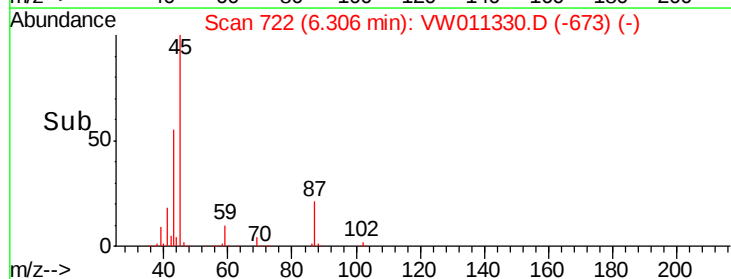
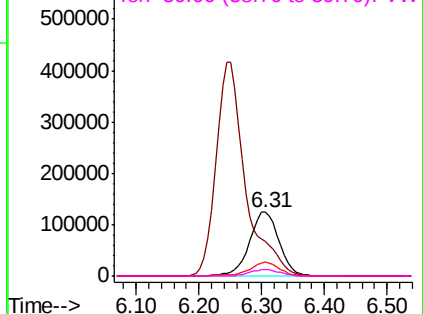
43 54.3 44.6 66.8

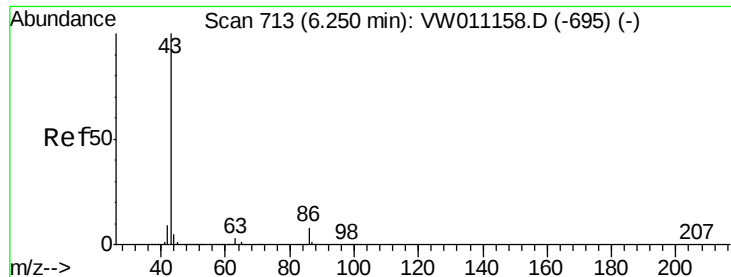
87 21.4 17.3 25.9

59 10.1 8.2 12.2



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: 259.630 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

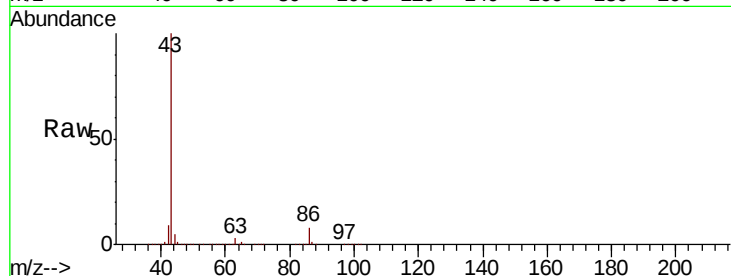
ClientSampleId :

Tot Ion: 43 Resp: 1348386

Ion Ratio Lower Upper

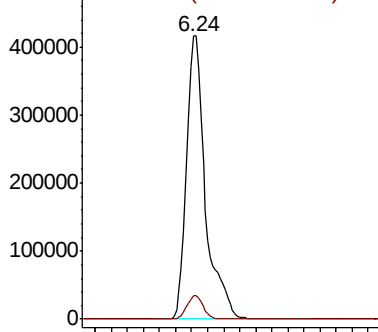
43 100

86 8.2 6.5 9.7

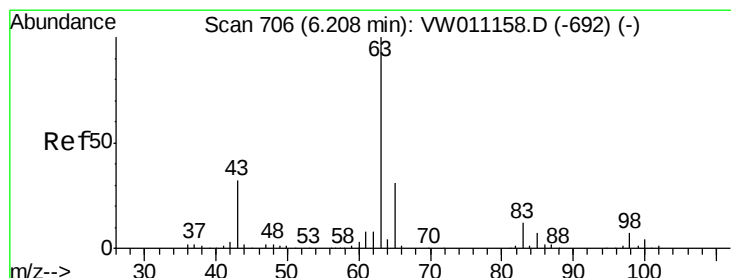
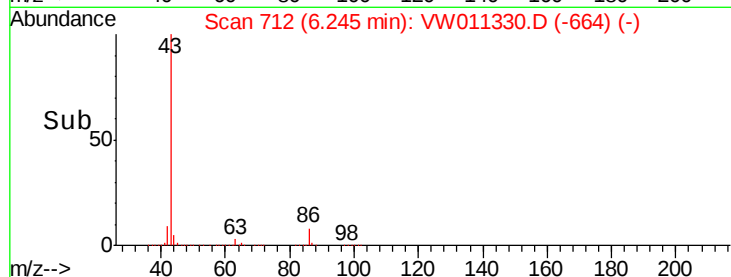


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 48.863 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

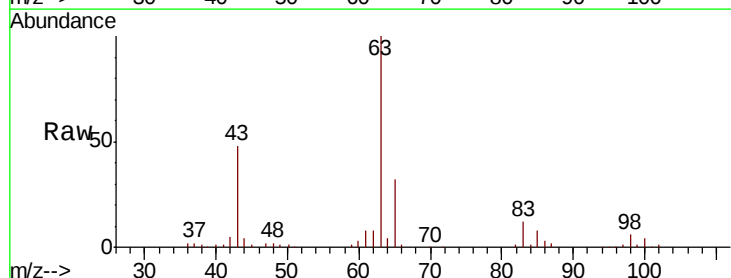
Tgt Ion: 63 Resp: 215323

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

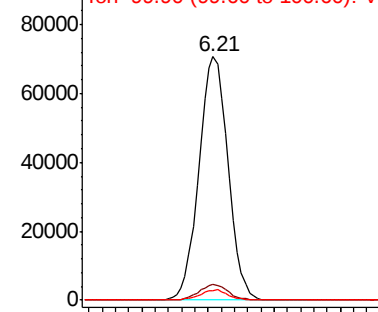
100 4.0 2.1 6.2



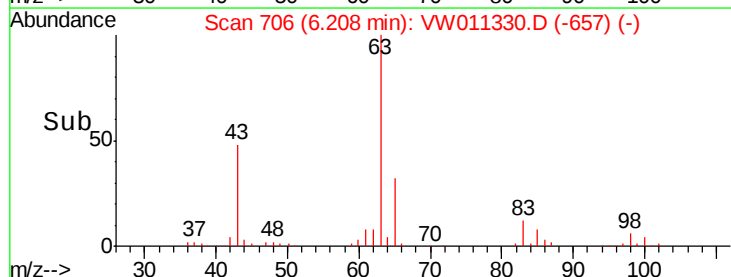
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 268.782 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

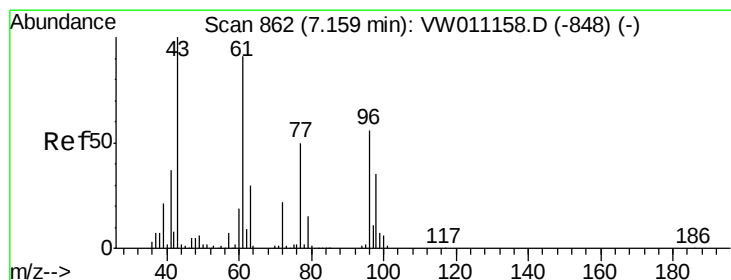
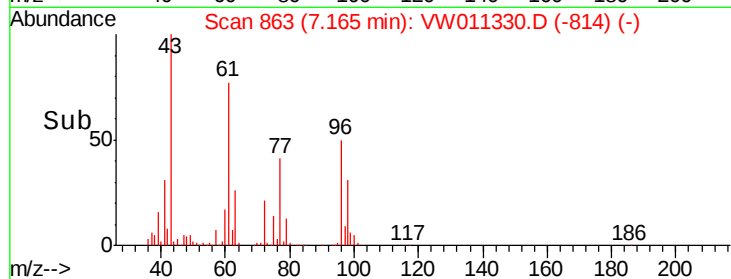
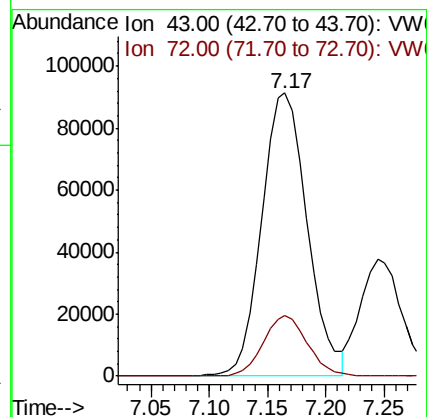
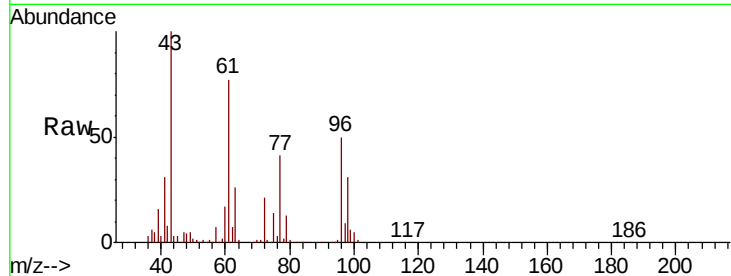
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 245688

Ion Ratio Lower Upper

43 100

72 21.4 17.6 26.4



#26

2,2-Dichloropropane

Concen: 50.752 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011330.D

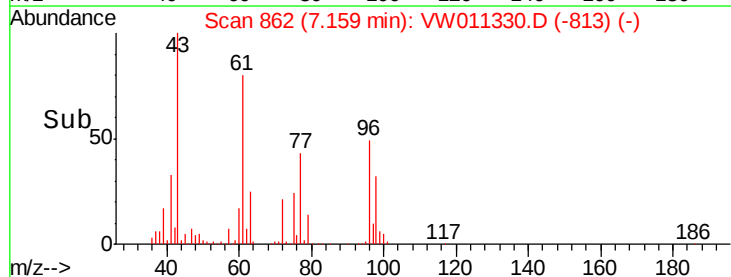
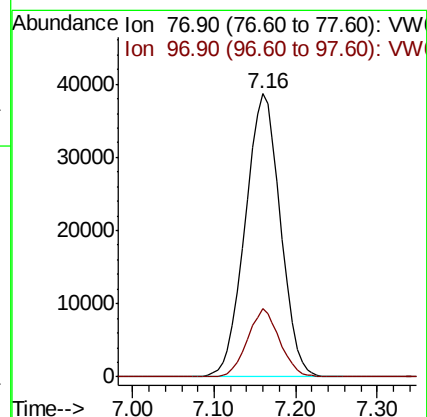
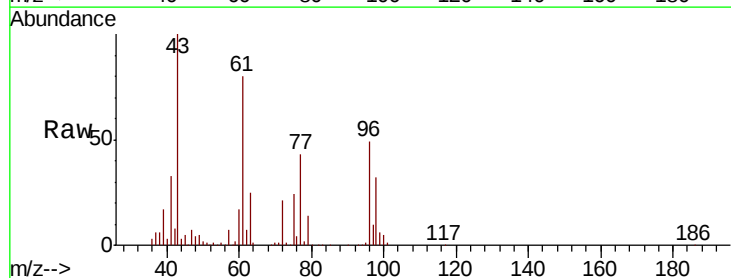
Acq: 18 Jul 2019 10:48

Tgt Ion: 77 Resp: 116255

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5



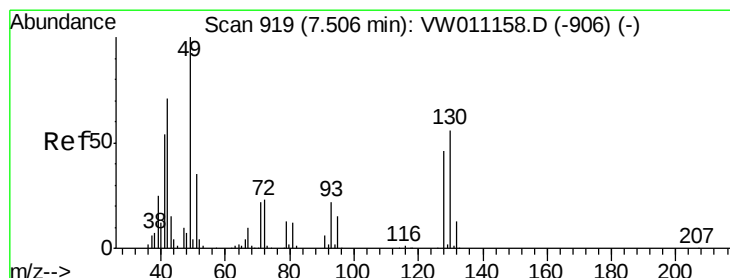
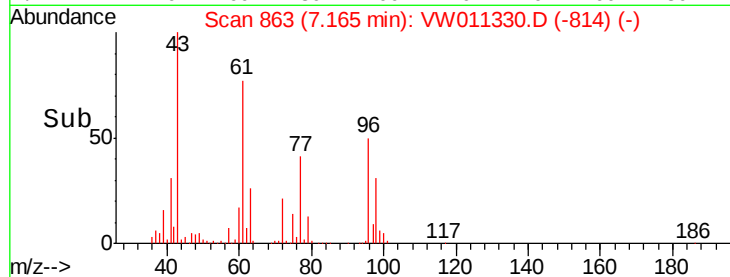
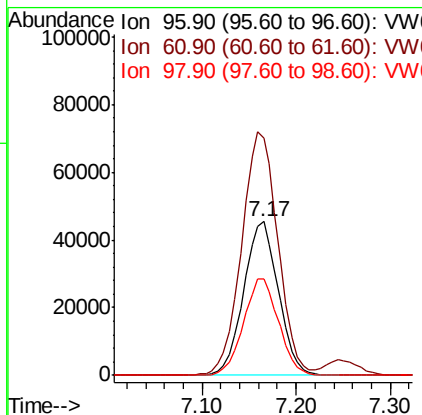
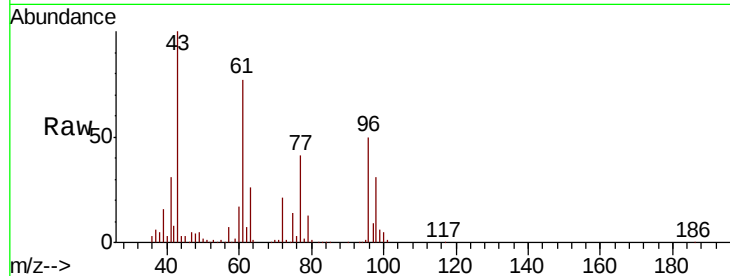


#27

cis-1,2-Dichloroethene
Concen: 48.830 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampled :

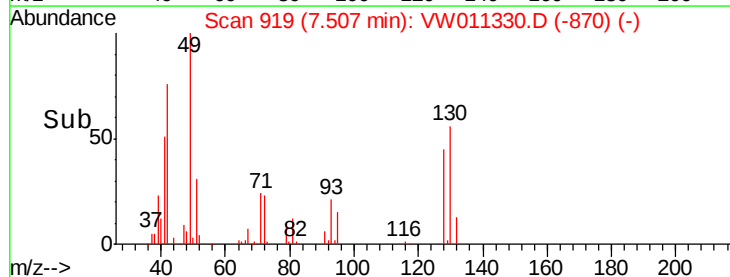
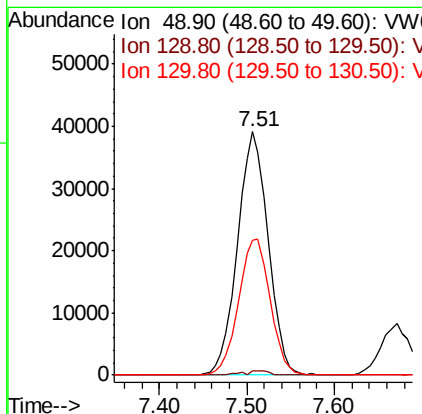
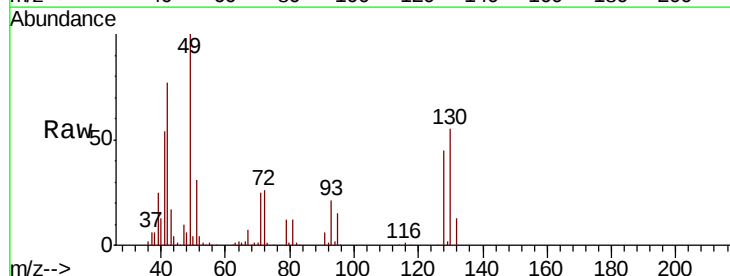
Tot Ion	96	Resp	117109
Ion	Ratio	Lower	Upper
96	100		
61	165.5	0.0	325.6
98	63.8	0.0	128.2

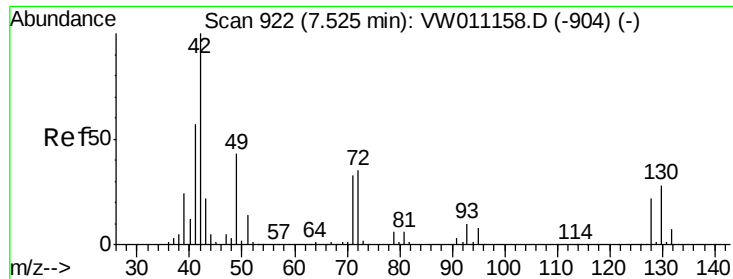


#28

Bromochloromethane
Concen: 47.605 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	49	Resp	95388
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	57.6	45.8	68.8

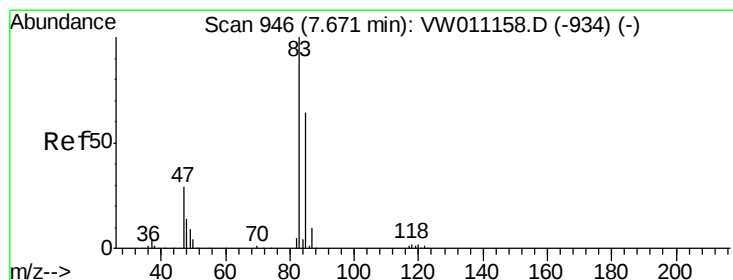
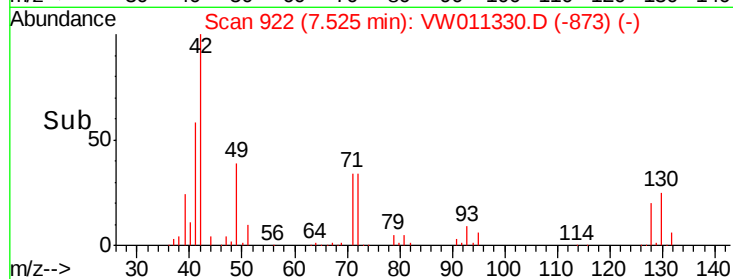
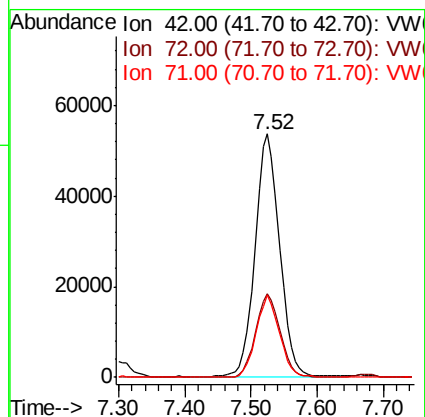
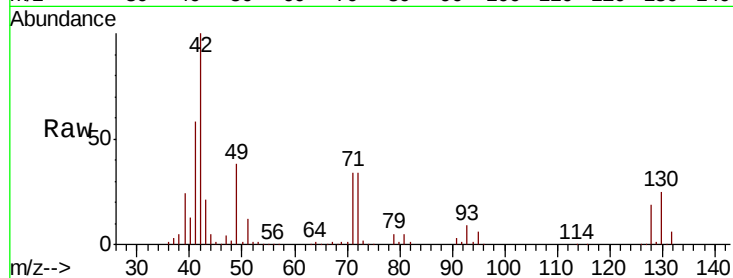




#29
Tetrahydrofuran
Concen: 232.186 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

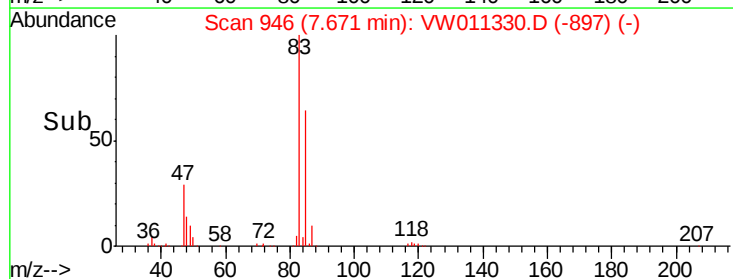
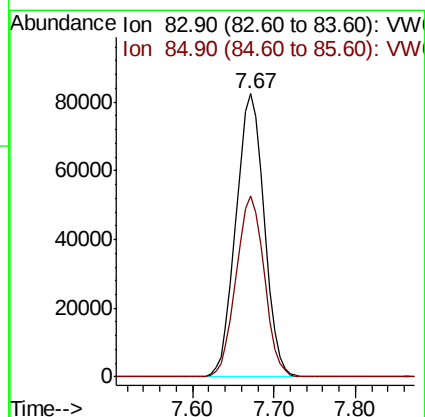
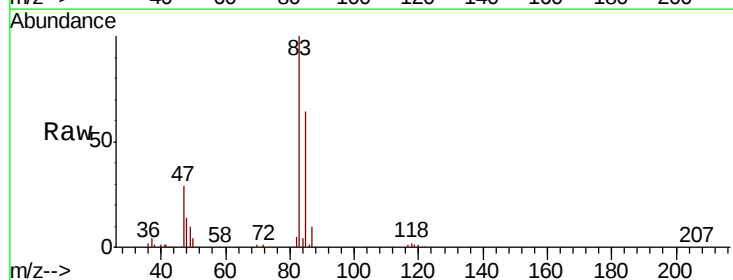
Instrument :
MSVOA_W
ClientSampled :

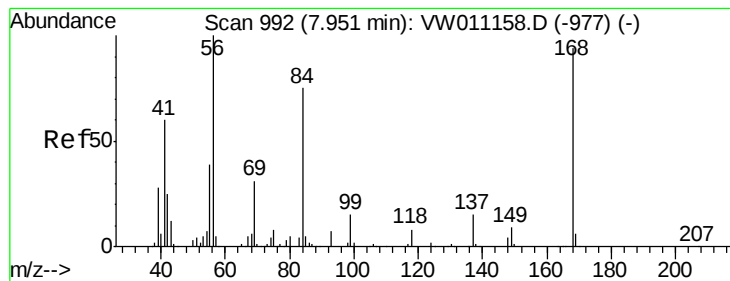
Tot Ion: 42 Resp: 139165
Ion Ratio Lower Upper
42 100
72 34.3 27.4 41.2
71 32.0 25.9 38.9



#30
Chloroform
Concen: 48.255 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 83 Resp: 196932
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.2





#31

Cyclohexane

Concen: 45.547 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :

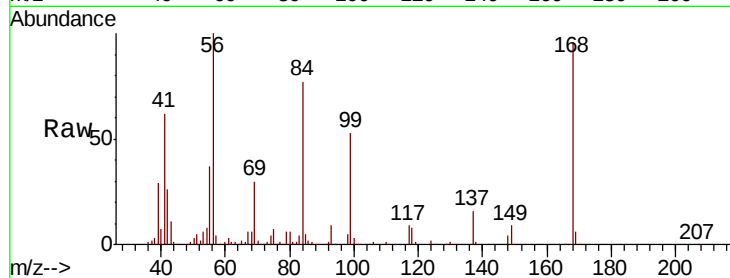
Tot Ion: 56 Resp: 213530

Ion Ratio Lower Upper

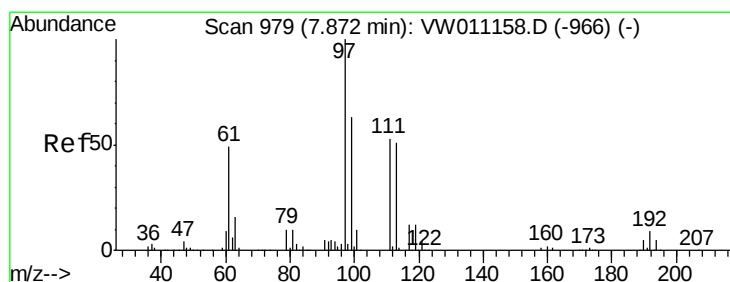
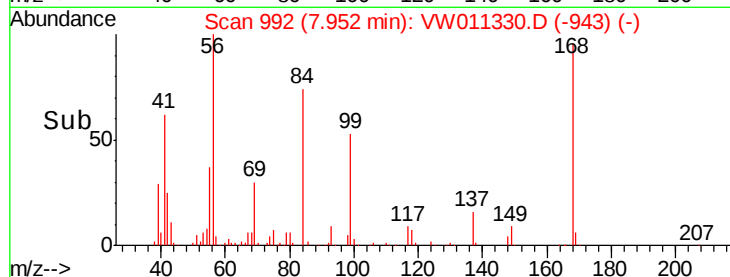
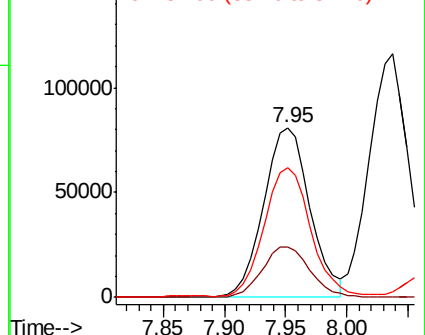
56 100

69 29.9 24.6 36.8

84 75.6 60.1 90.1



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: 48.182 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

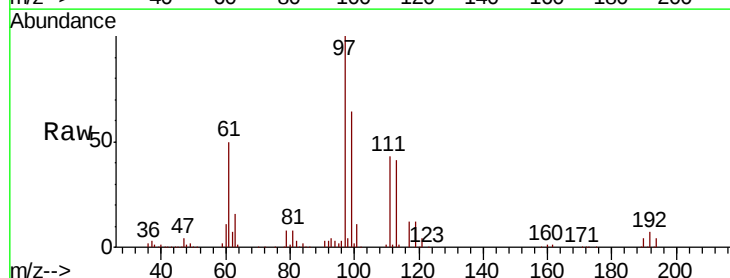
Tgt Ion: 97 Resp: 149577

Ion Ratio Lower Upper

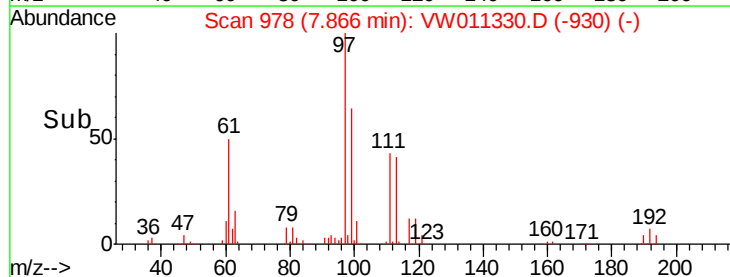
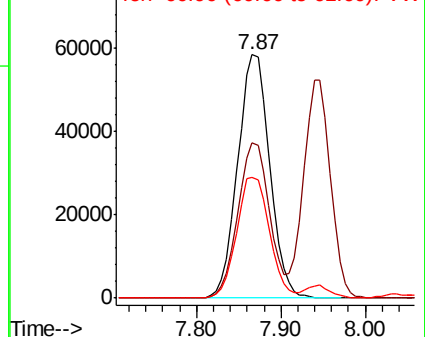
97 100

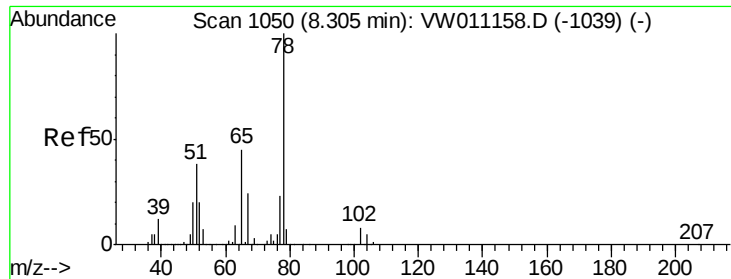
99 62.6 51.0 76.4

61 51.2 40.4 60.6



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

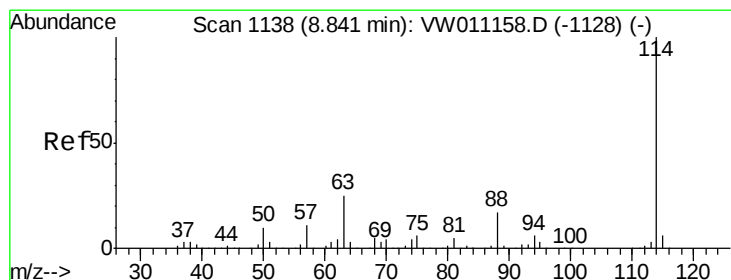
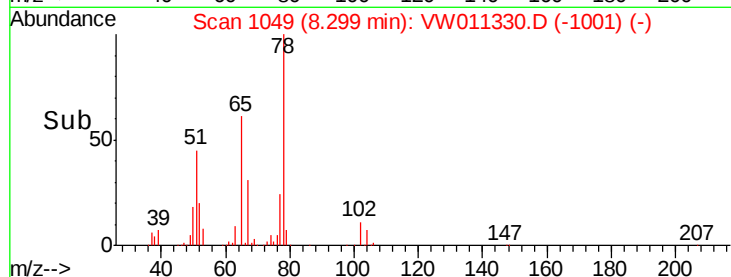
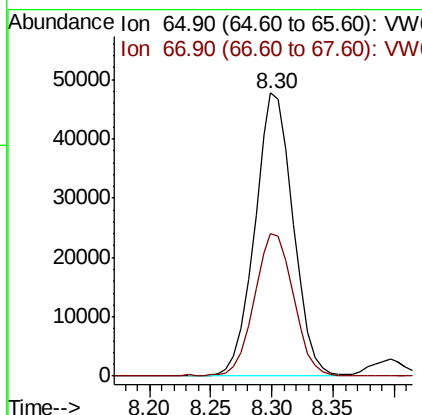
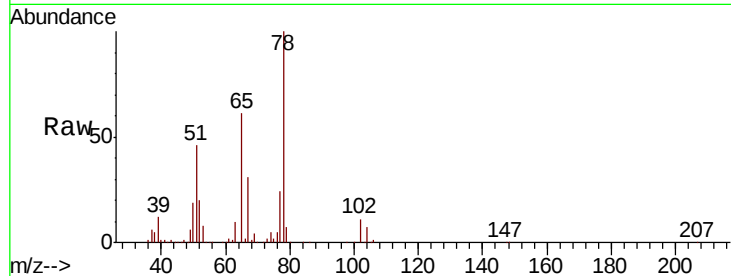




#33
 1,2-Dichloroethane-d4
 Concen: 42.820 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

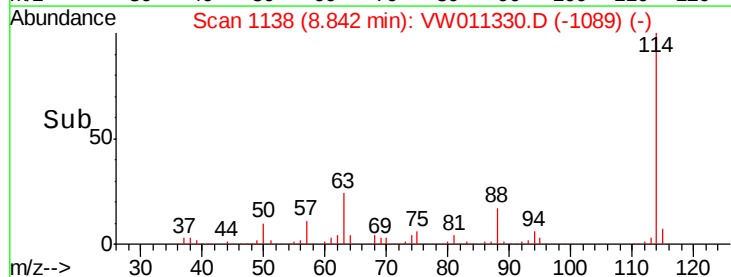
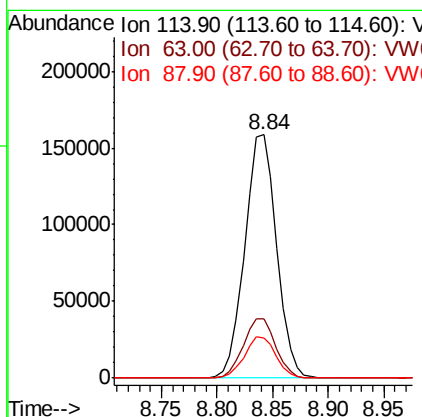
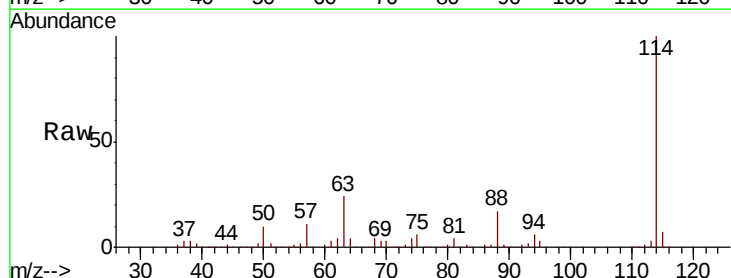
Instrument :
 MSVOA_W
 ClientSampled :

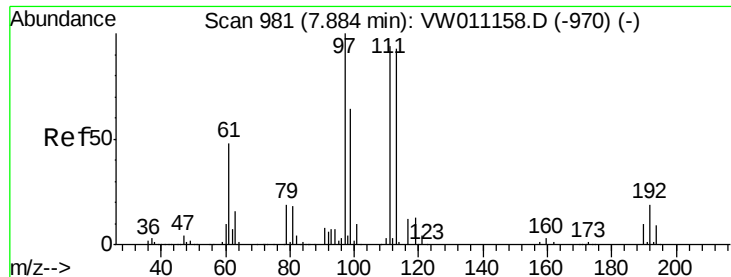
Tot Ion: 65 Resp: 103631
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 114 Resp: 315560
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.8
 88 16.6 0.0 34.2





#35

Dibromofluoromethane

Concen: 43.622 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampled :

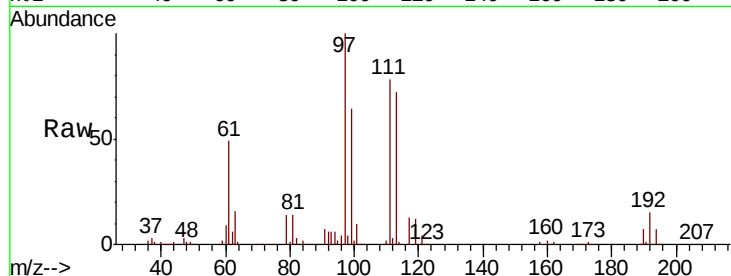
Tot Ion:113 Resp: 82047

Ion Ratio Lower Upper

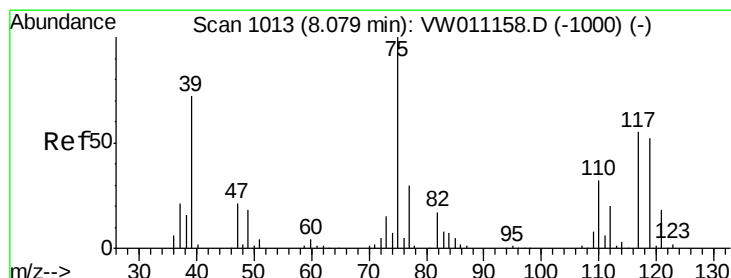
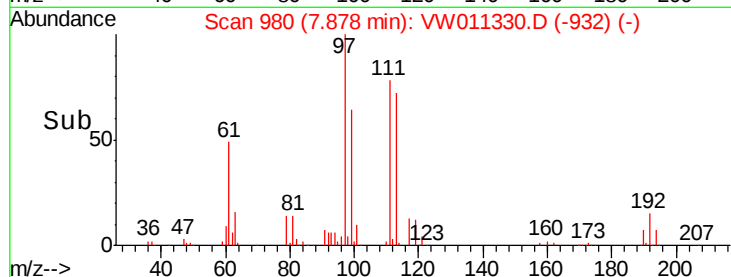
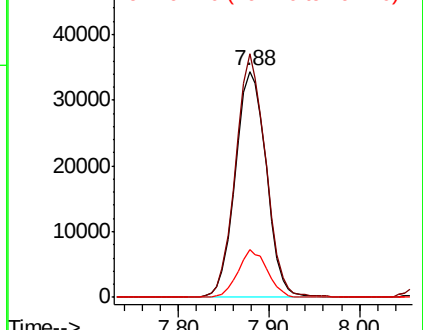
113 100

111 104.3 82.4 123.6

192 19.9 15.8 23.8



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: 48.238 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

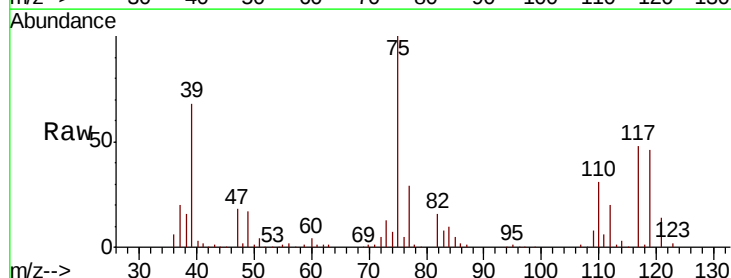
Tgt Ion: 75 Resp: 162099

Ion Ratio Lower Upper

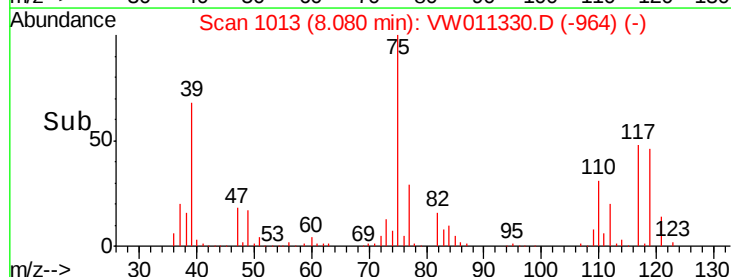
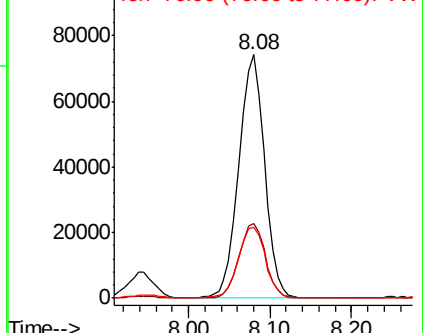
75 100

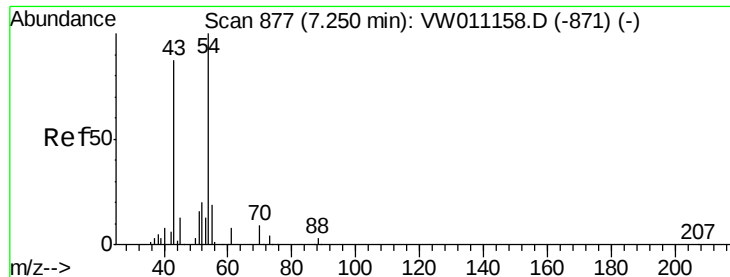
110 31.5 15.9 47.6

77 30.8 24.6 36.8



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

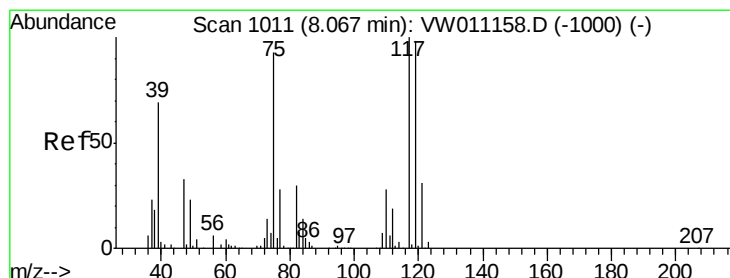
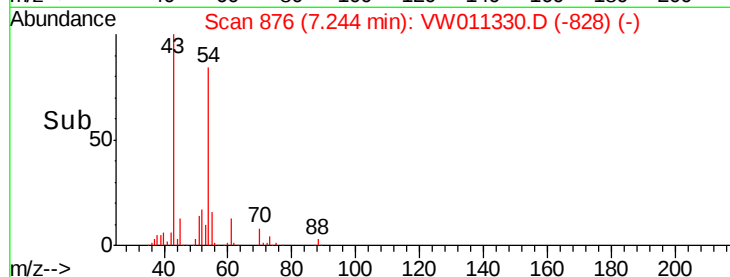
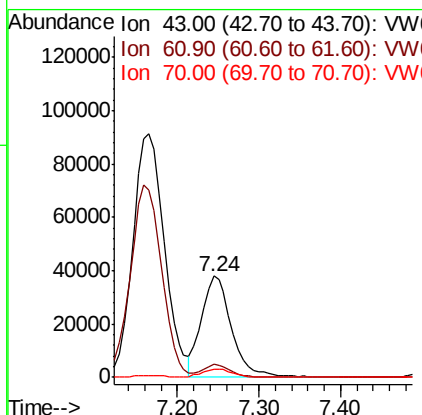
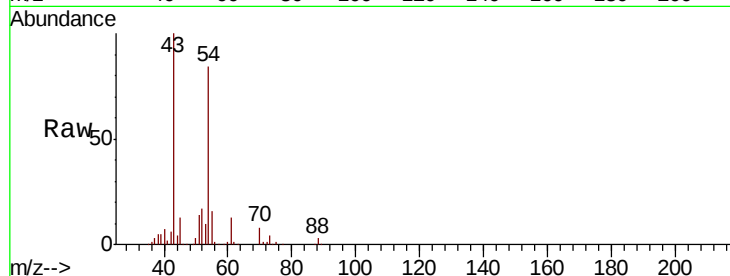




#37
Ethyl Acetate
Concen: 47.967 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

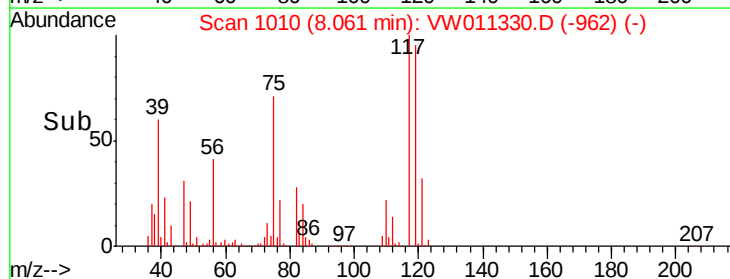
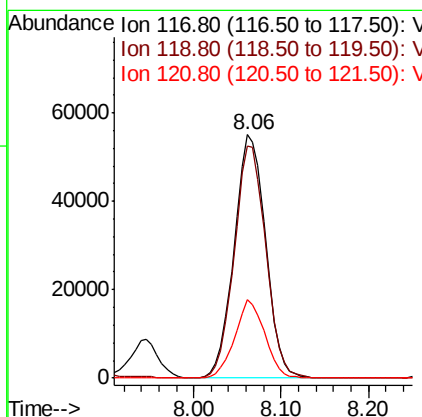
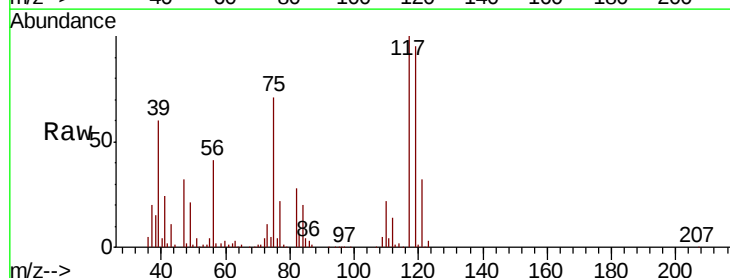
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 96846
Ion Ratio Lower Upper
43 100
61 11.4 9.5 14.3
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 48.438 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 117 Resp: 137986
Ion Ratio Lower Upper
117 100
119 95.3 78.1 117.1
121 32.5 25.1 37.7

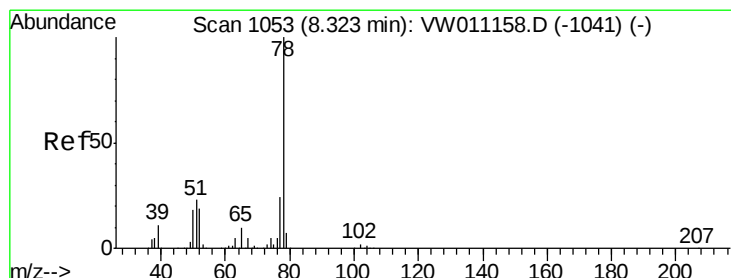
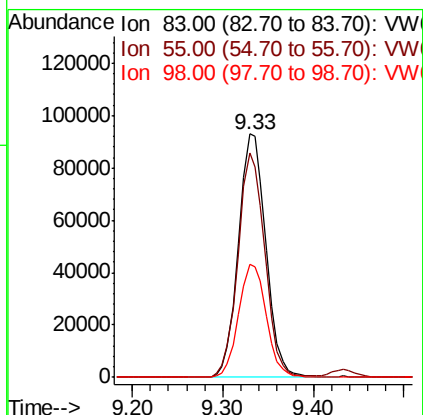
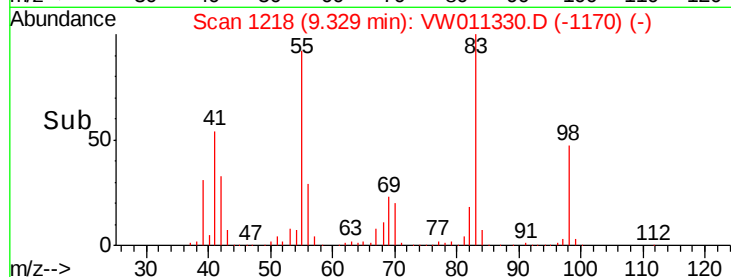
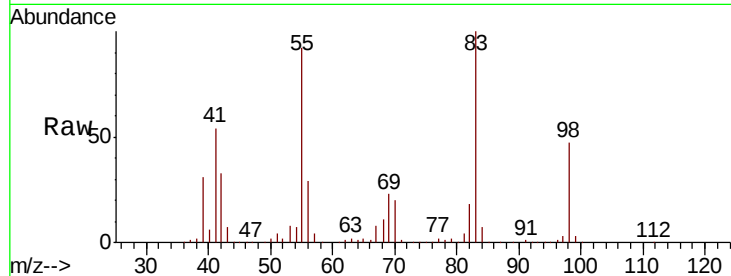




#39
Methvlcvclohexane
Concen: 48.006 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

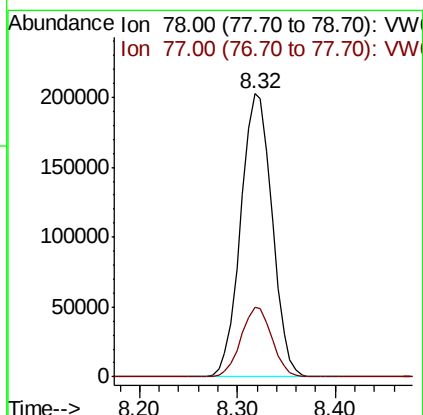
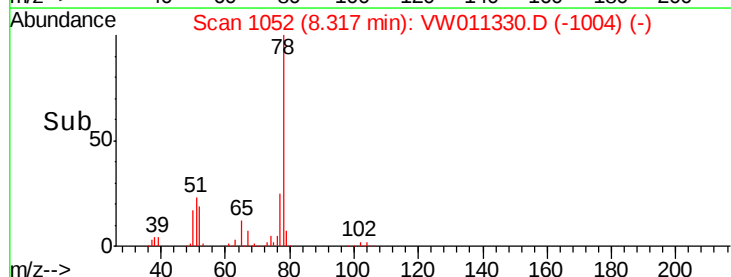
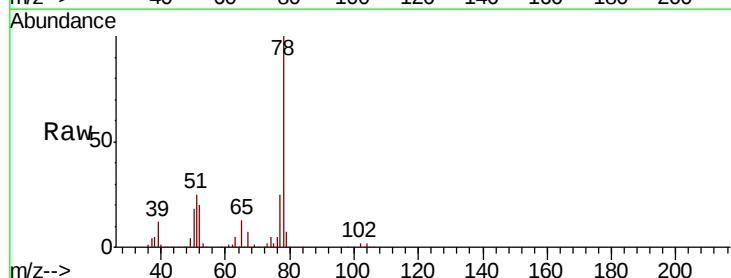
Instrument :
MSVOA_W
ClientSampled :

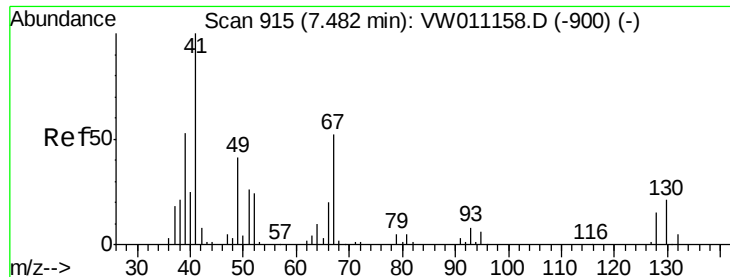
Tot Ion: 83 Resp: 195529
Ion Ratio Lower Upper
83 100
55 92.4 71.2 106.8
98 46.6 37.5 56.3



#40
Benzene
Concen: 48.739 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 78 Resp: 452633
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

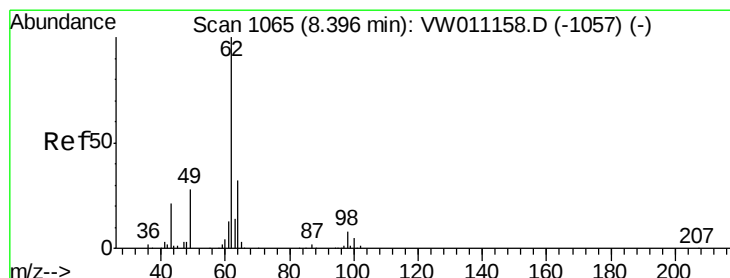
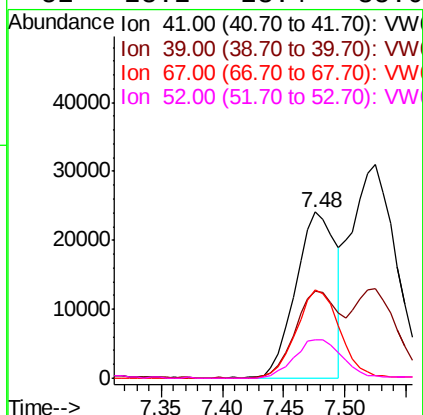
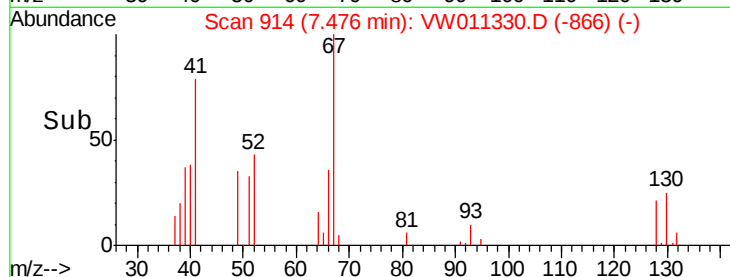
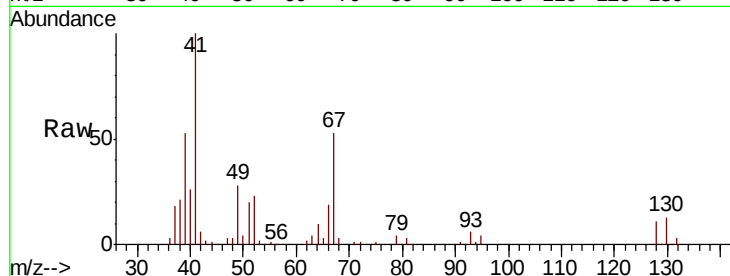




#41
Methacrylonitrile
Concen: 47.502 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

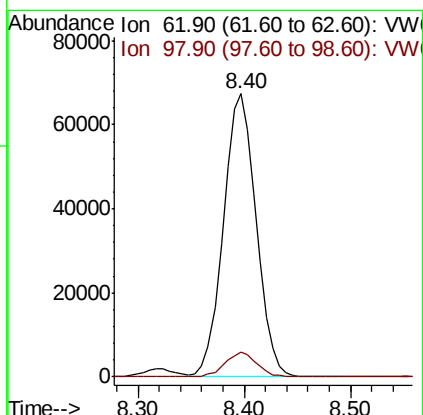
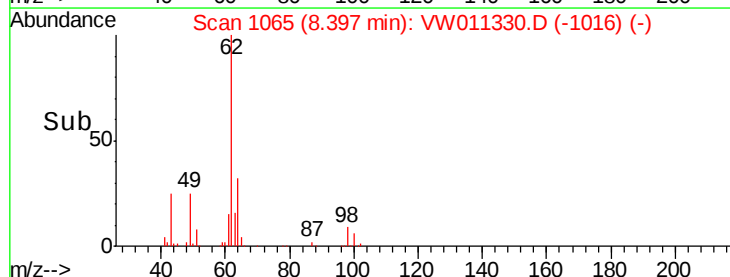
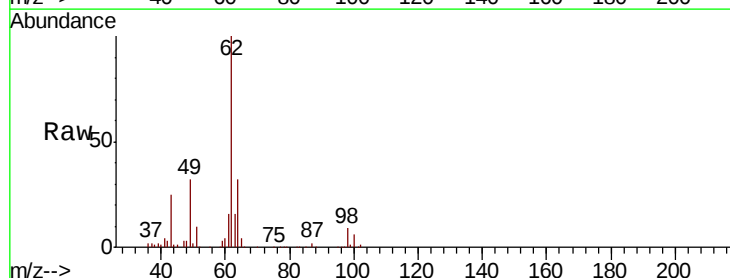
Instrument :
MSVOA_W
ClientSampled :

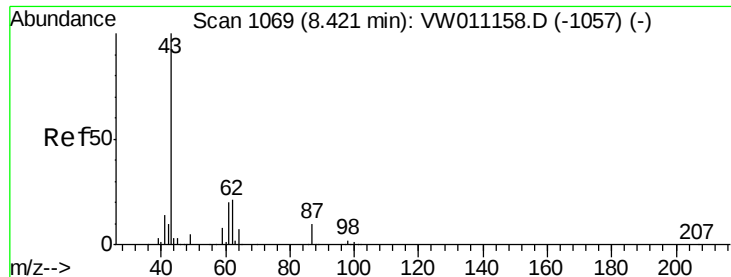
Tot Ion:	41	Resp:	54853
Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.0	72.0
67	58.5	49.7	74.5
52	28.2	23.4	35.0



#42
1,2-Dichloroethane
Concen: 48.050 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion:	62	Resp:	144756
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 46.928 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

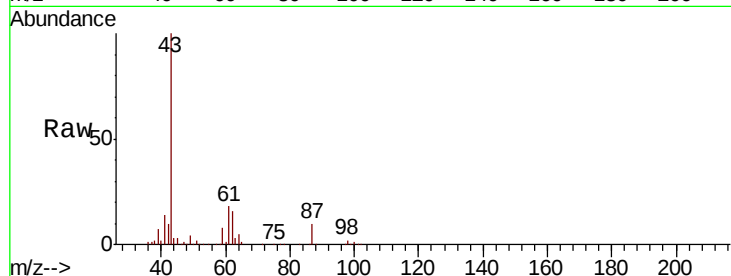
Tot Ion: 43 Resp: 178886

Ion Ratio Lower Upper

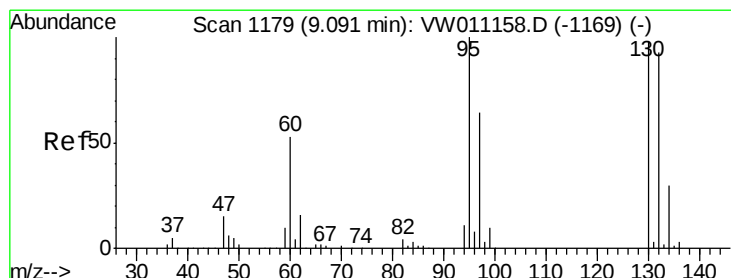
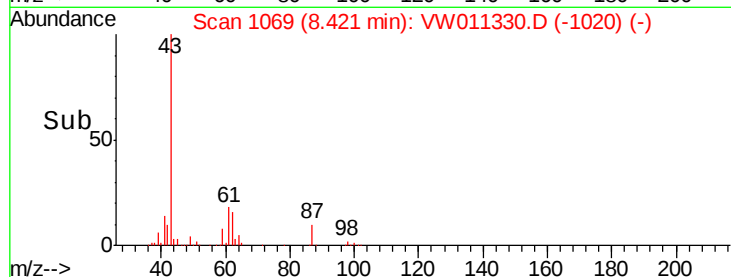
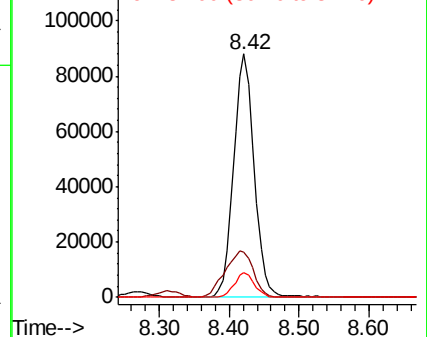
43 100

61 26.2 20.7 31.1

87 10.0 8.1 12.1



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: 48.783 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011330.D

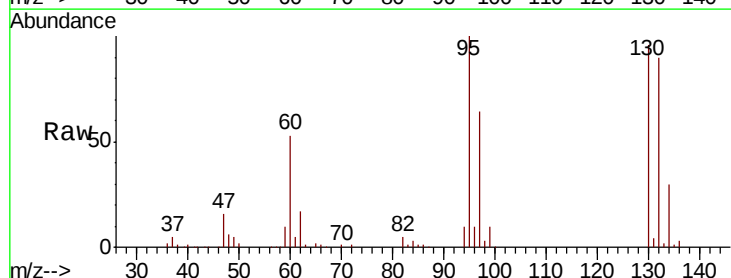
Acq: 18 Jul 2019 10:48

Tgt Ion: 130 Resp: 109021

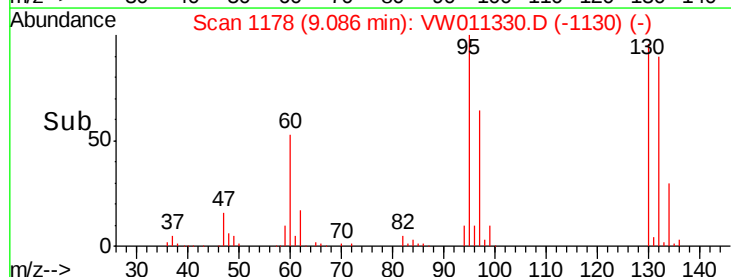
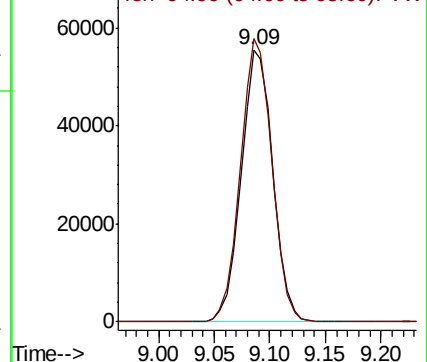
Ion Ratio Lower Upper

130 100

95 103.9 0.0 203.6



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

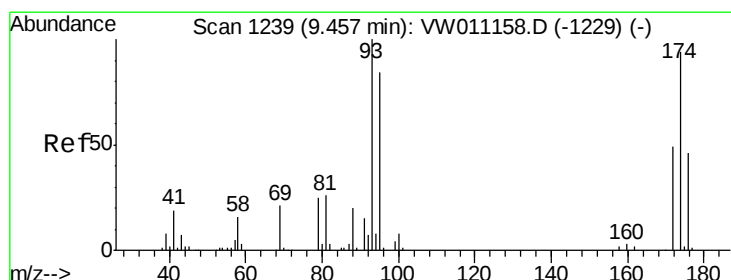
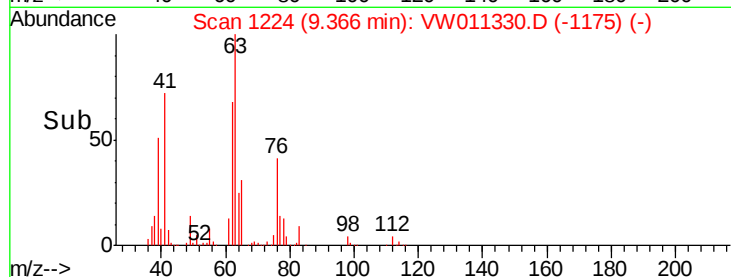
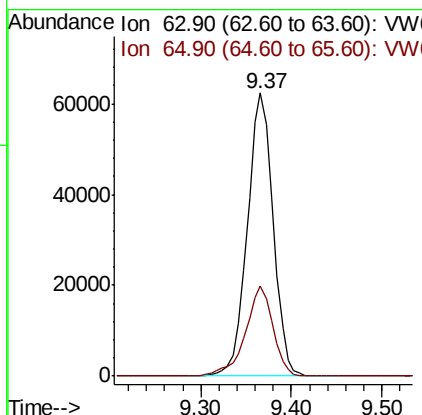
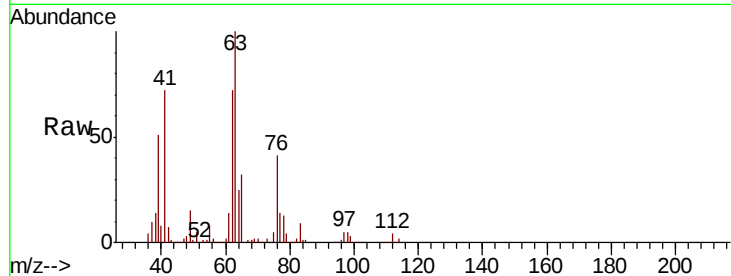




#45
 1,2-Dichloropropane
 Concen: 48.779 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

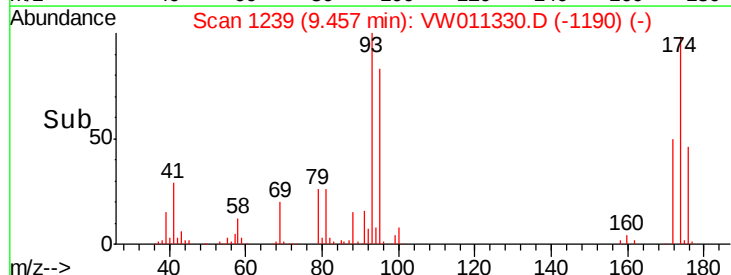
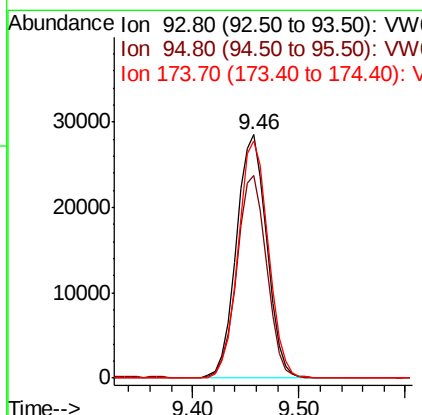
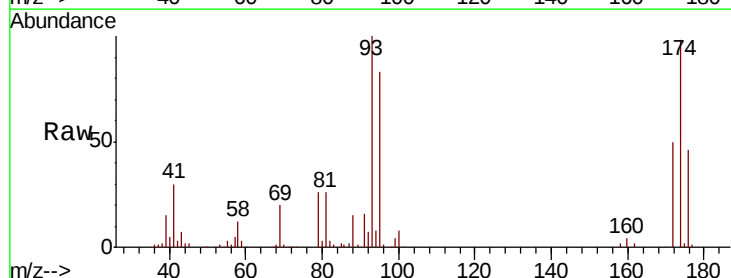
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 122672
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.4 36.6



#46
 Dibromomethane
 Concen: 48.322 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 93 Resp: 57085
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.2 100.8
 174 97.0 76.3 114.5

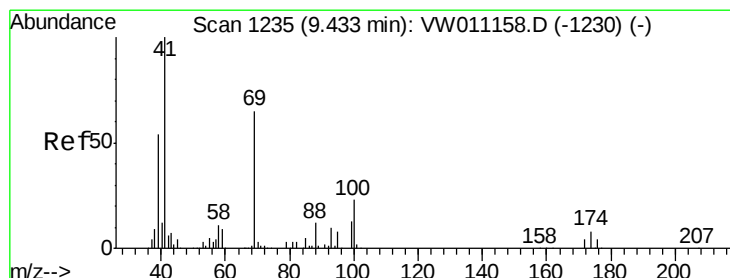
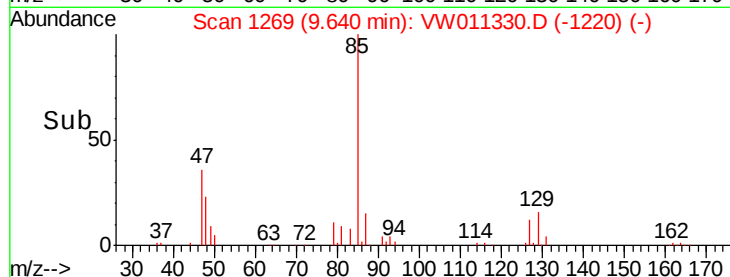
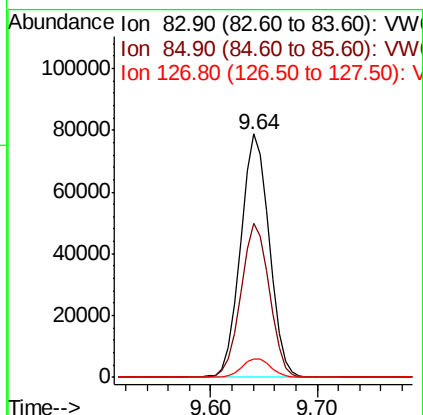
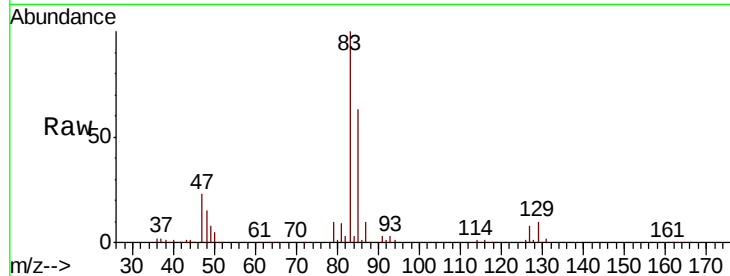




#47
Bromodichloromethane
Concen: 49.201 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

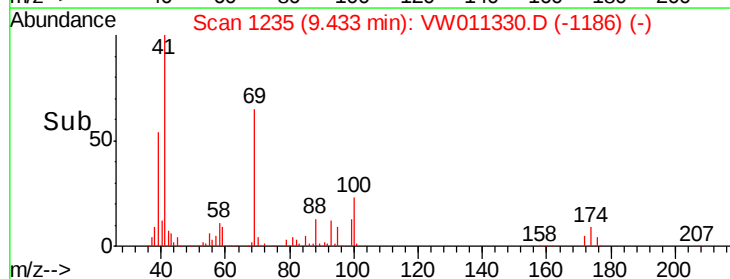
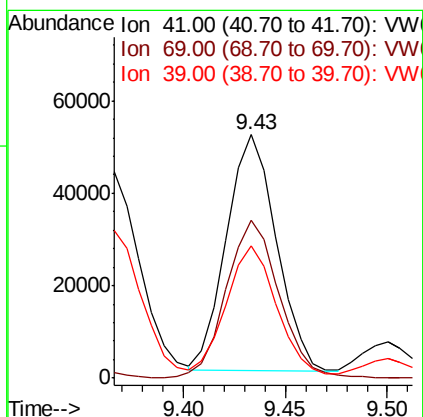
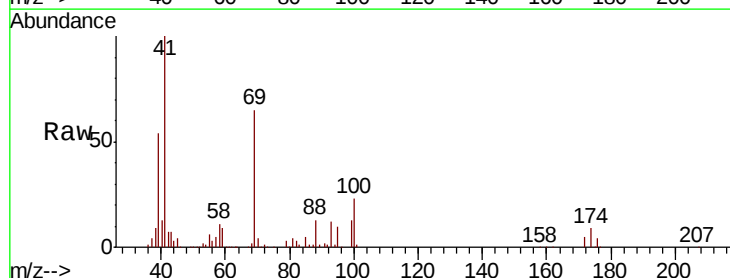
Instrument :
MSVOA_W
ClientSampled :

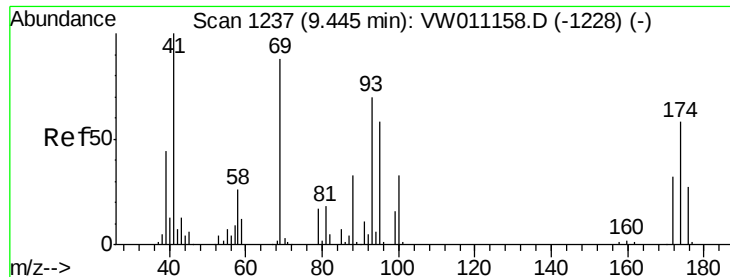
Tot Ion: 83 Resp: 148720
Ion Ratio Lower Upper
83 100
85 63.4 51.0 76.4
127 7.7 6.0 9.0



#48
Methyl methacrylate
Concen: 47.323 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 41 Resp: 86785
Ion Ratio Lower Upper
41 100
69 71.1 56.0 84.0
39 53.5 43.5 65.3

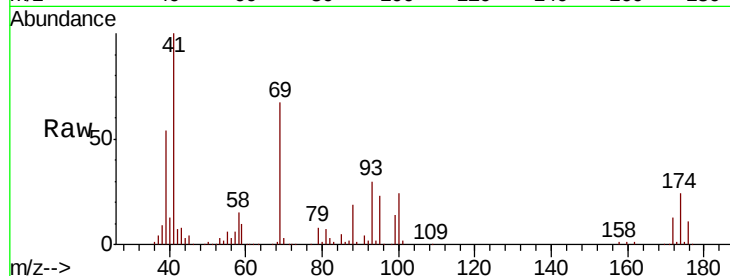




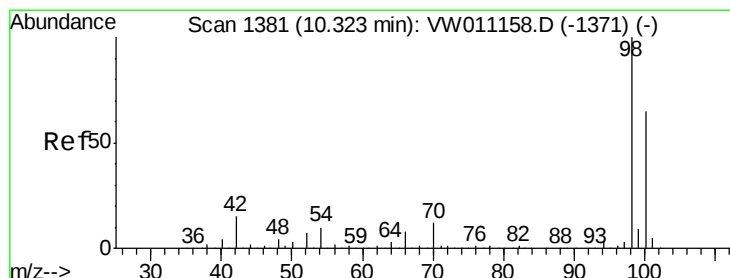
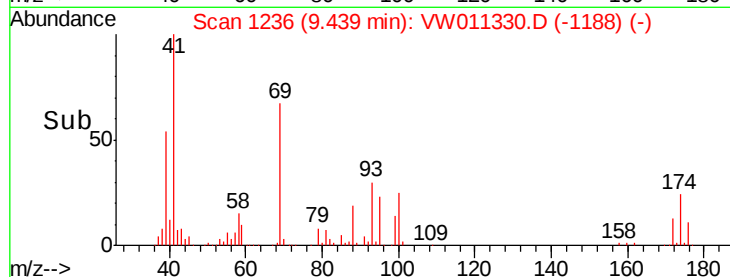
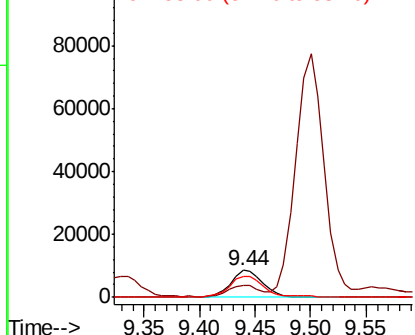
#49
1,4-Dioxane
Concen: 870.840 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 17172
Ion Ratio Lower Upper
88 100
43 43.8 33.4 50.0
58 86.3 64.5 96.7

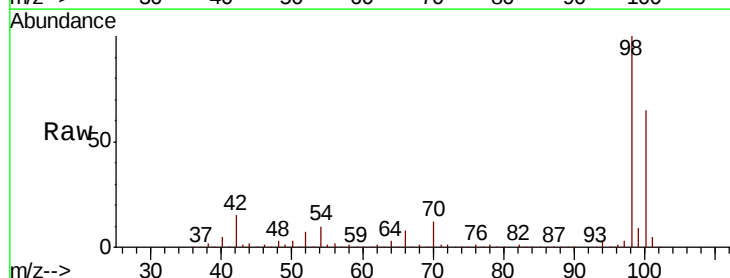


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

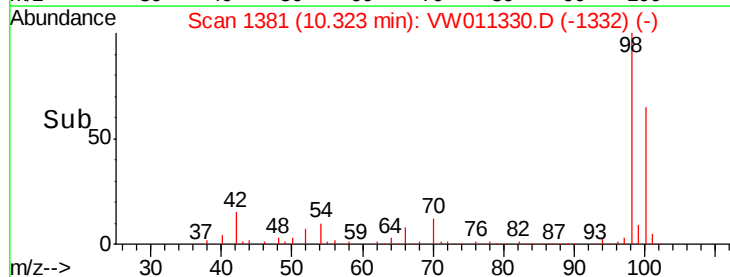
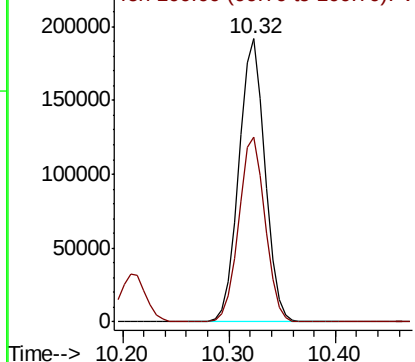


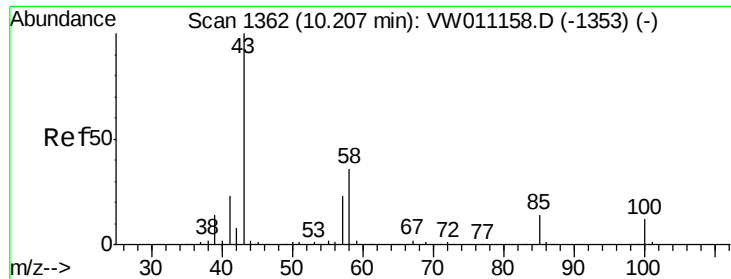
#50
Toluene-d8
Concen: 43.599 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 98 Resp: 331474
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



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: 238.442 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

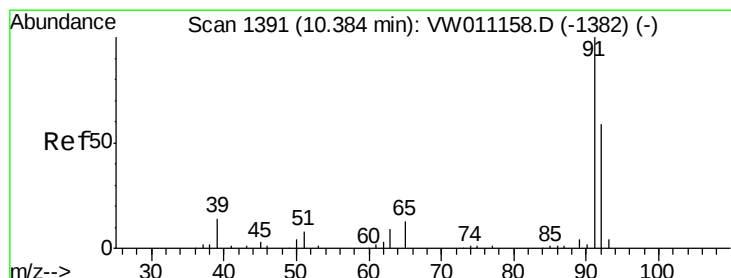
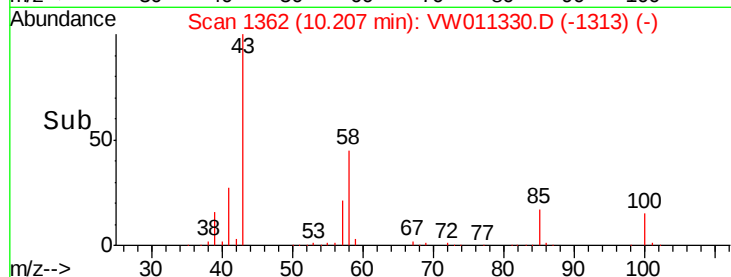
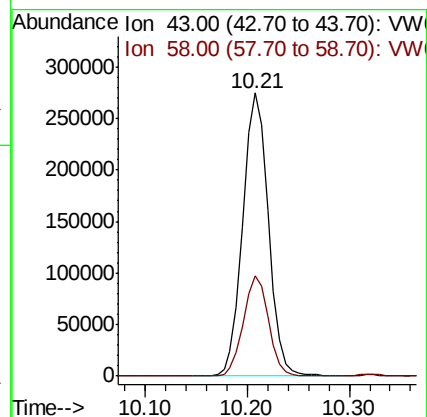
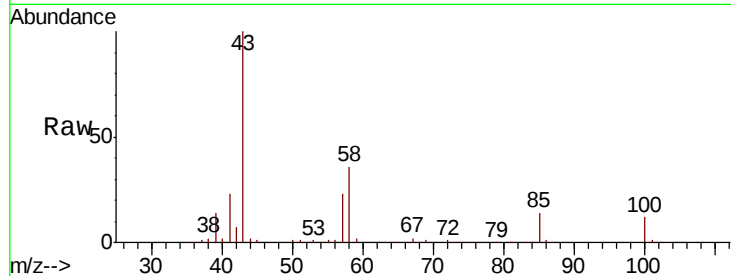
ClientSampleId :

Tot Ion: 43 Resp: 474794

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 49.217 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011330.D

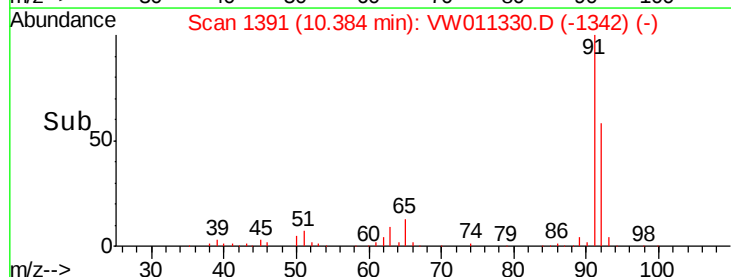
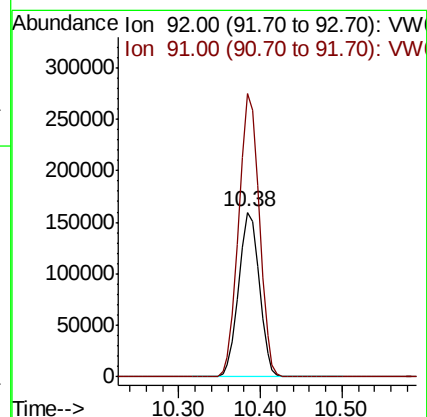
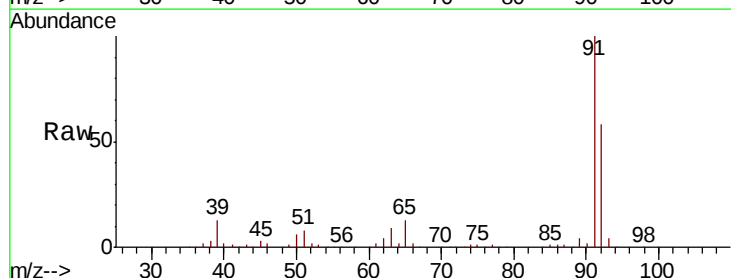
Acq: 18 Jul 2019 10:48

Tgt Ion: 92 Resp: 277269

Ion Ratio Lower Upper

92 100

91 171.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 48.317 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

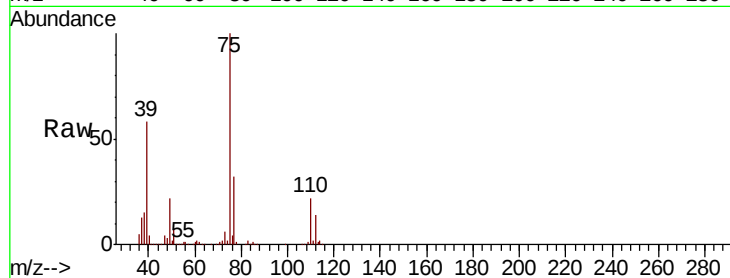
ClientSampled :

Tot Ion: 75 Resp: 155457

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

80000

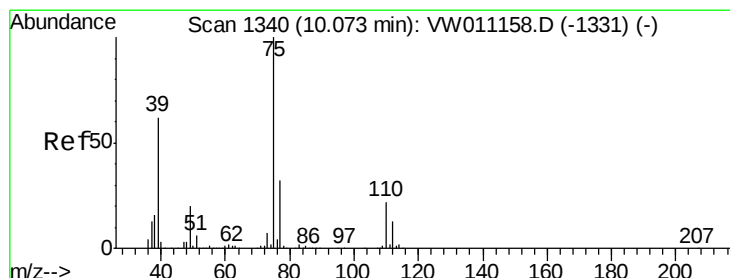
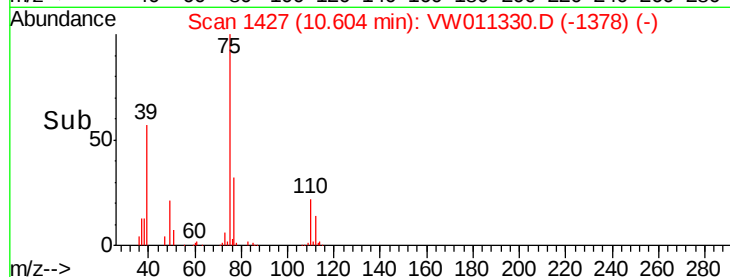
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 48.897 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

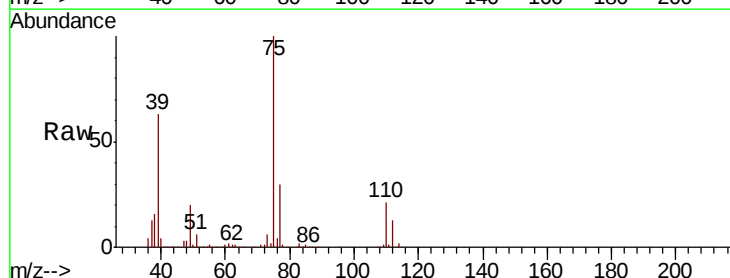
Tgt Ion: 75 Resp: 185180

Ion Ratio Lower Upper

75 100

77 30.3 25.7 38.5

39 62.5 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

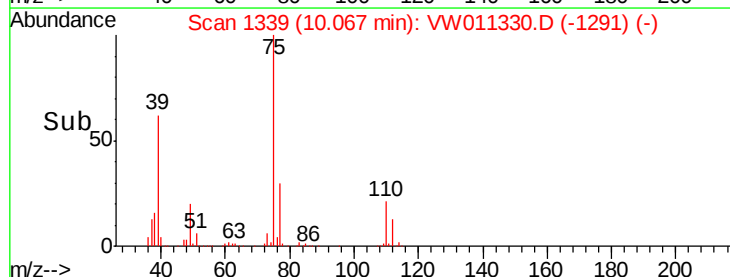
10.07

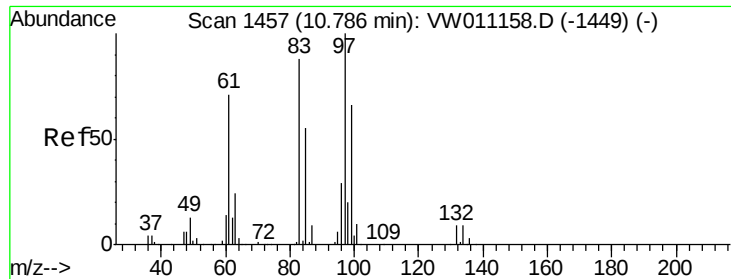
100000

50000

0

Time--> 10.00 10.10

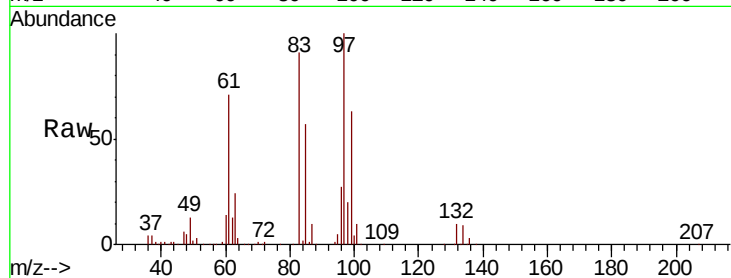




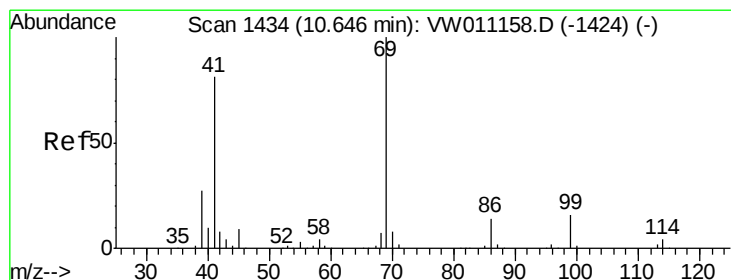
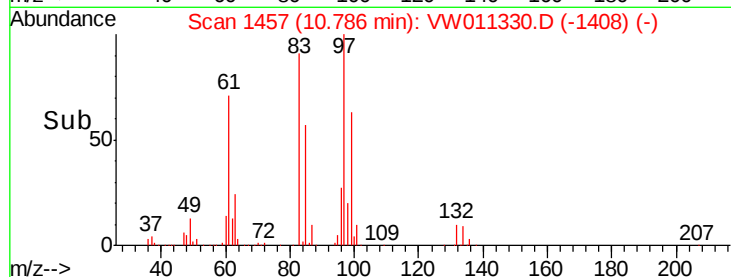
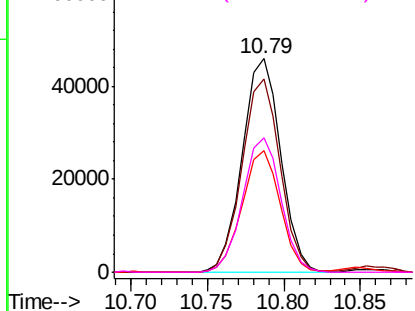
#55
 1,1,2-Trichloroethane
 Concen: 48.025 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	80487
Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.2	105.4
85	56.9	44.2	66.2
99	63.2	52.6	79.0

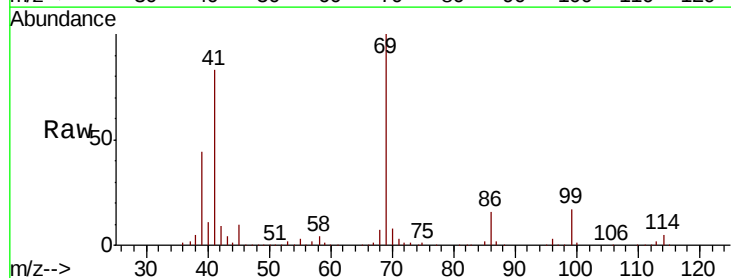


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

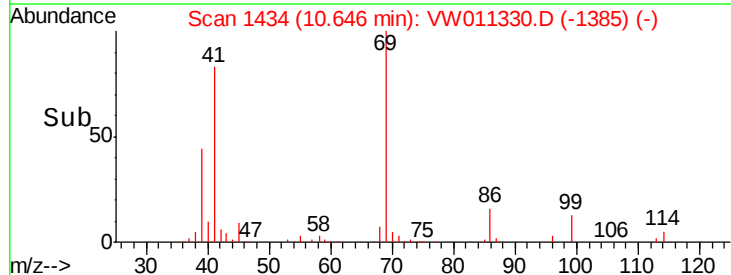
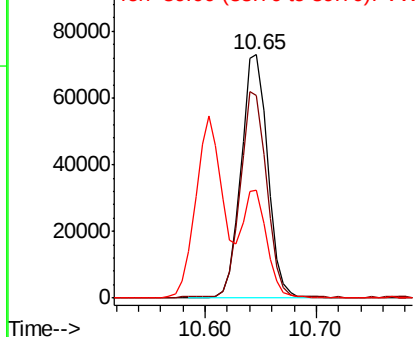


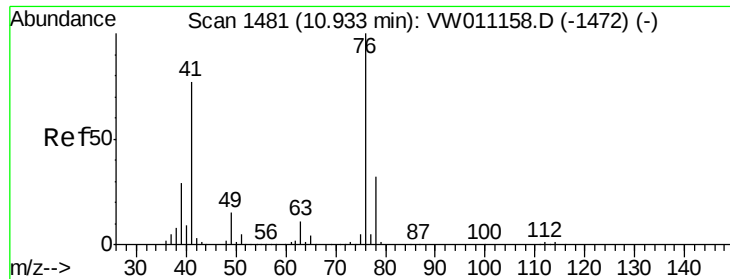
#56
 Ethyl methacrylate
 Concen: 47.510 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion:	69	Resp:	121225
Ion	Ratio	Lower	Upper
69	100		
41	83.4	66.5	99.7
39	39.0	32.5	48.7



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

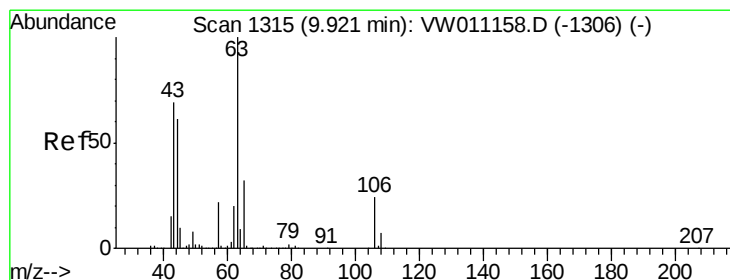
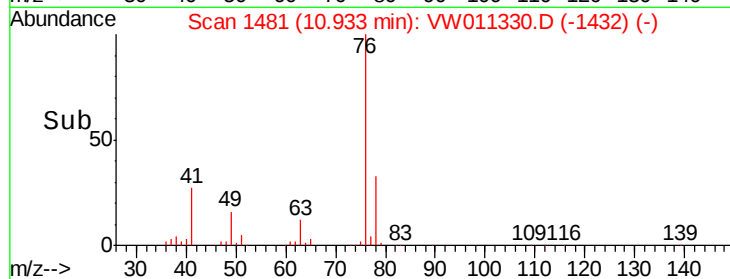
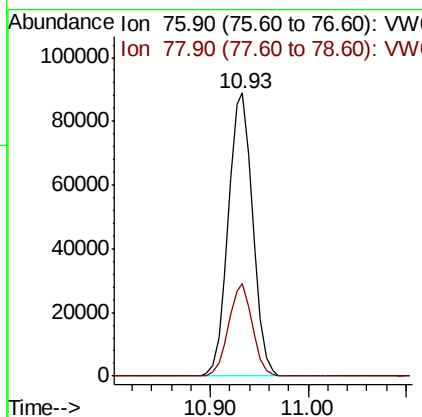
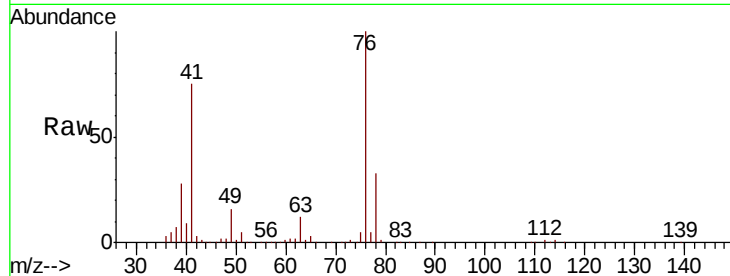




#57
 1,3-Dichloropropane
 Concen: 48.329 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

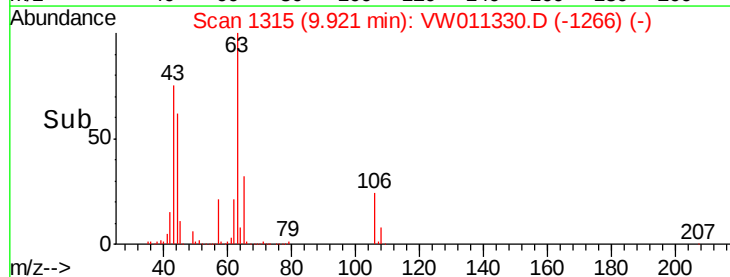
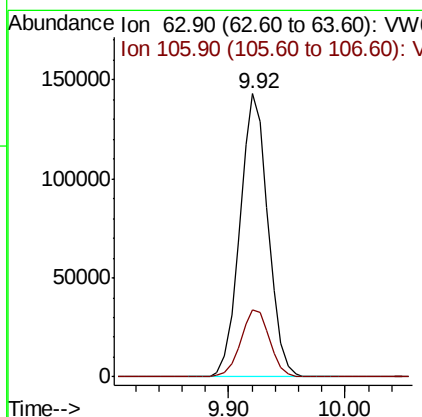
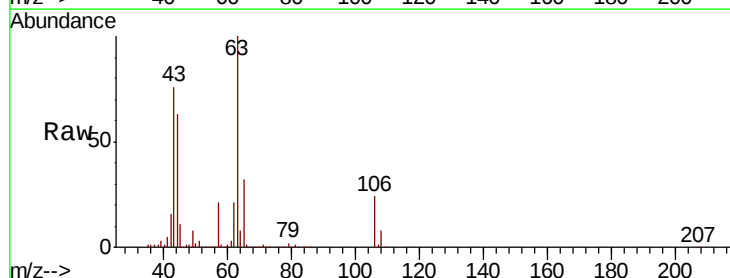
Instrument :
 MSVOA_W
 ClientSampled :

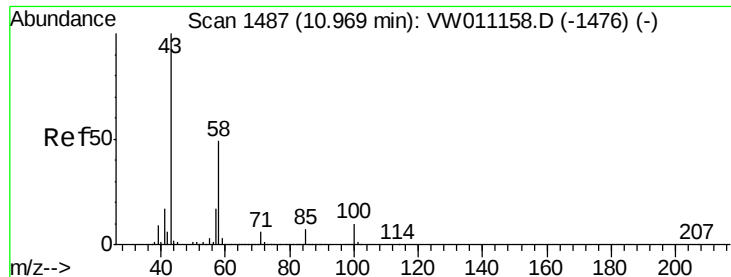
Tot Ion: 76 Resp: 153165
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 203.073 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 63 Resp: 240217
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.0

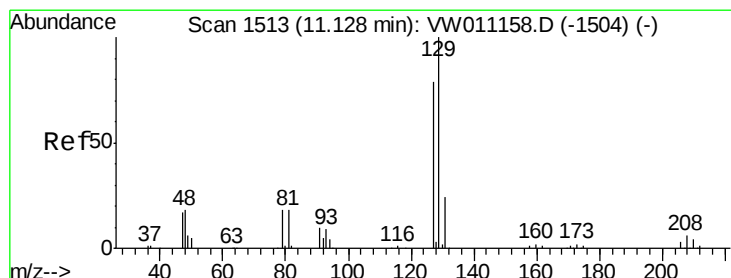
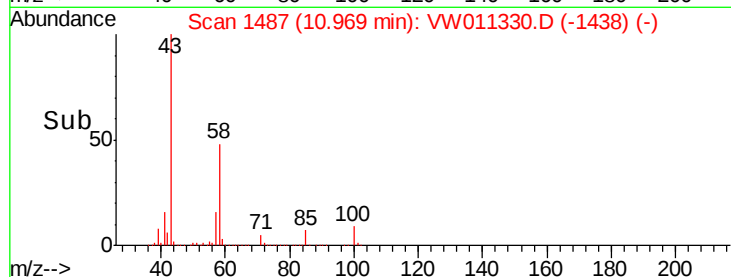
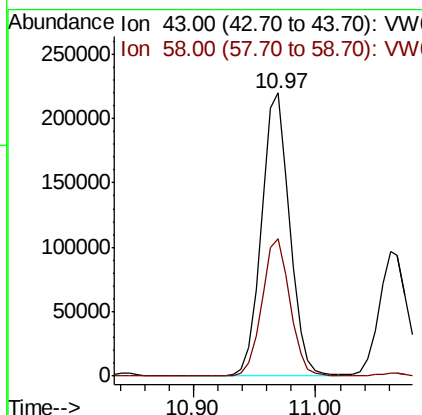
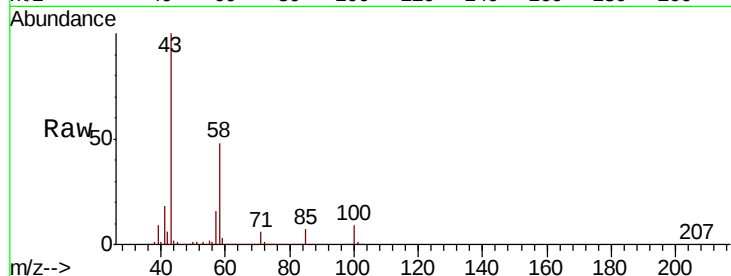




#59
2-Hexanone
Concen: 255.107 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

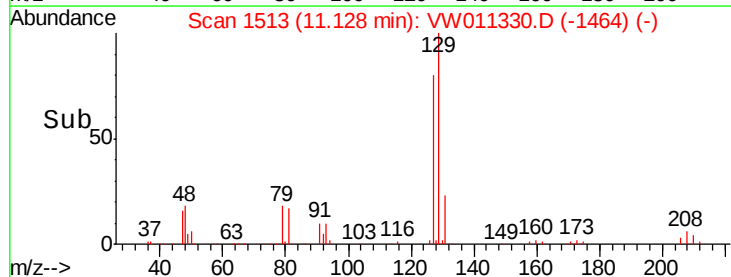
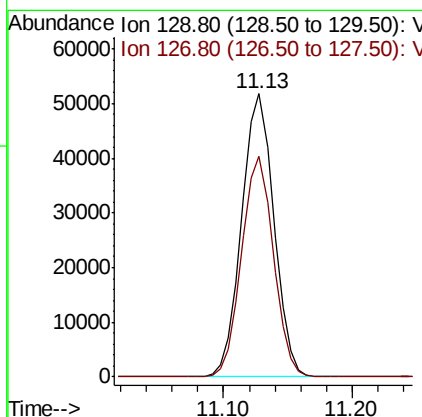
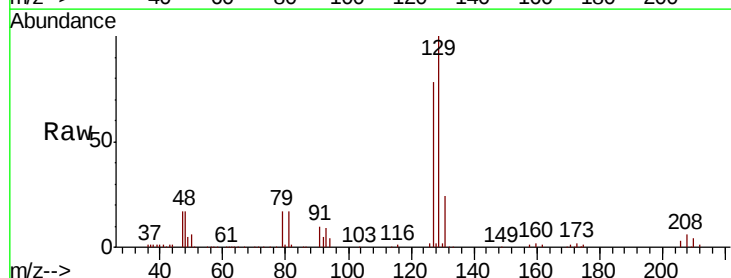
Instrument :
MSVOA_W
ClientSampleId :

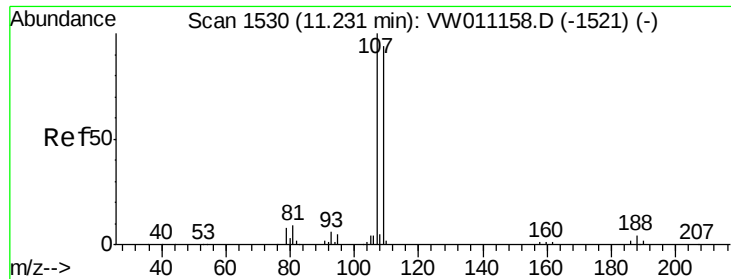
Tot Ion: 43 Resp: 352283
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4



#60
Dibromochloromethane
Concen: 48.765 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 129 Resp: 89620
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3

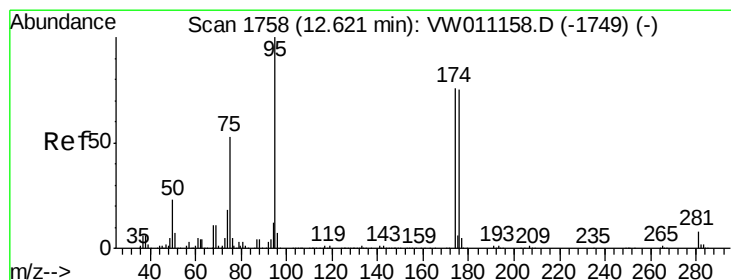
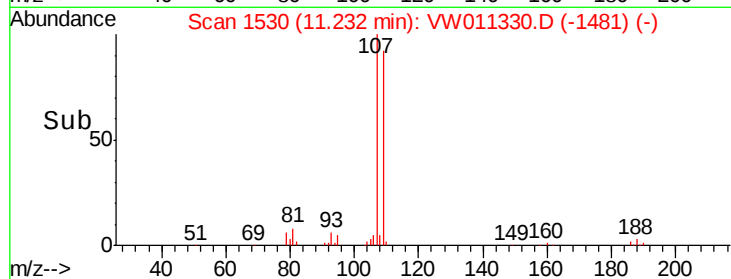
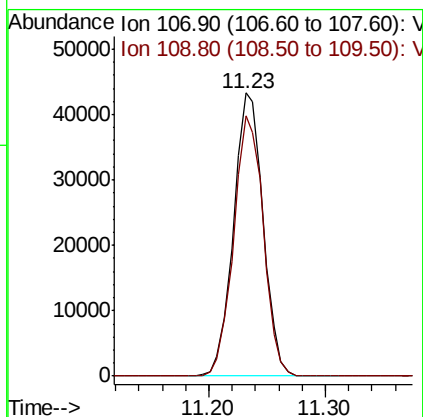
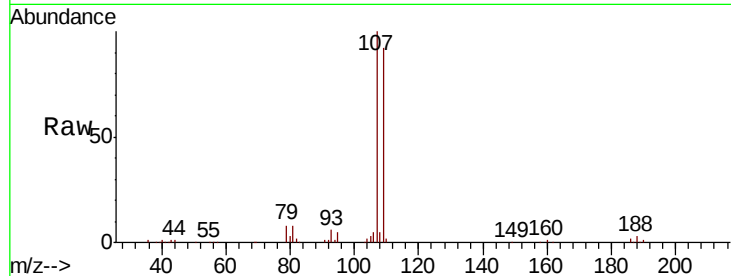




#61
 1,2-Dibromoethane
 Concen: 48.251 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

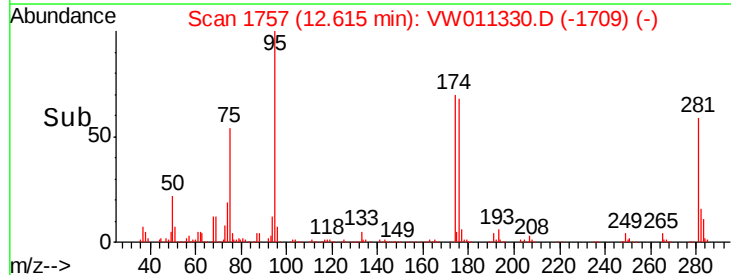
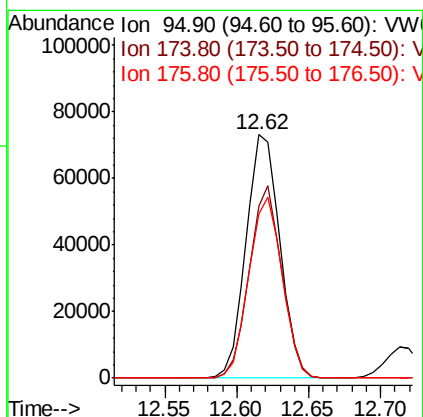
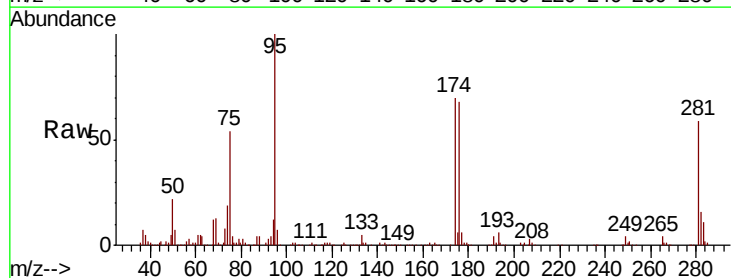
Instrument :
 MSVOA_W
 ClientSampleId :

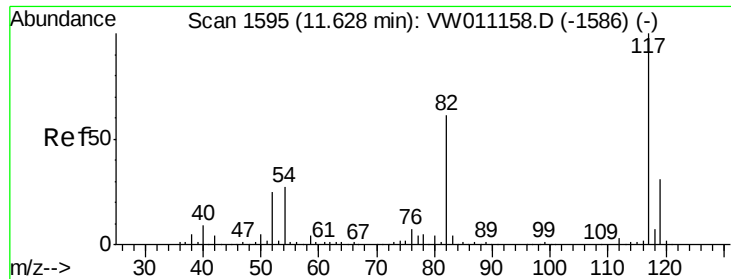
Tot Ion: 107 Resp: 76599
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 42.530 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion: 95 Resp: 118518
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 147.6
 176 73.7 0.0 144.6

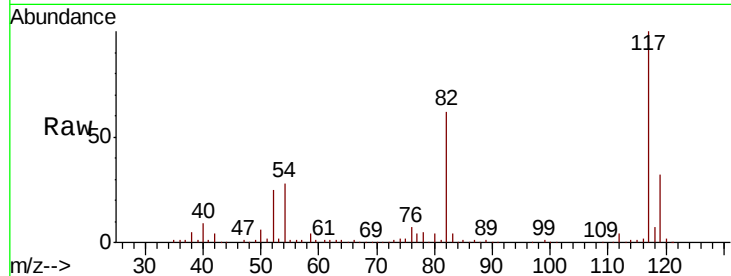




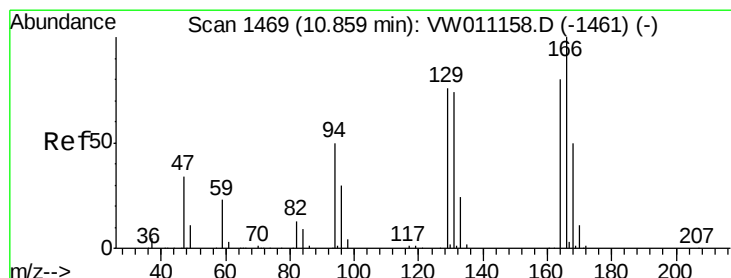
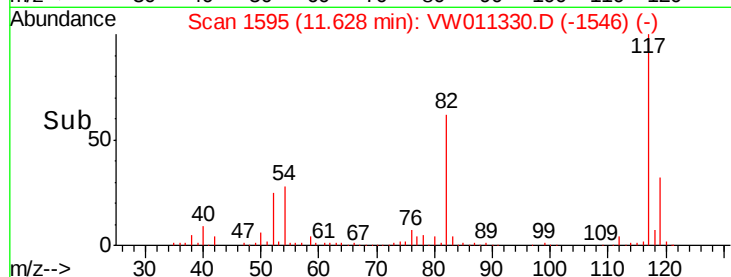
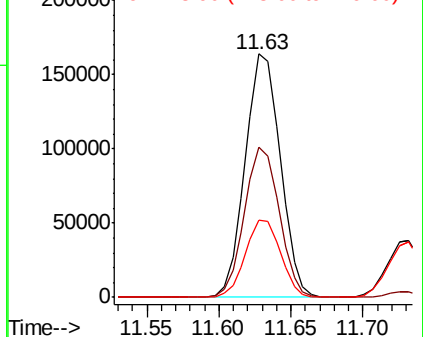
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 277080
Ion Ratio Lower Upper
117 100
82 61.9 48.9 73.3
119 31.6 25.0 37.6

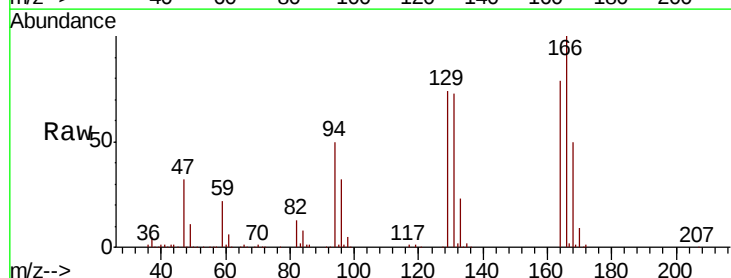


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

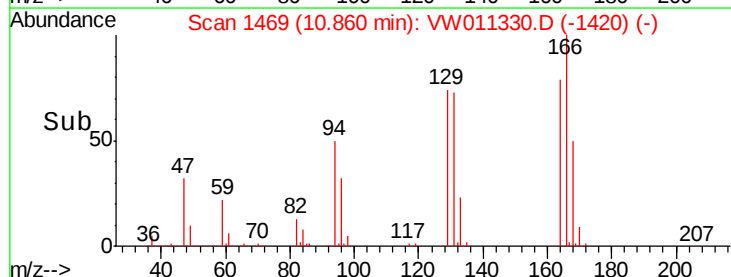
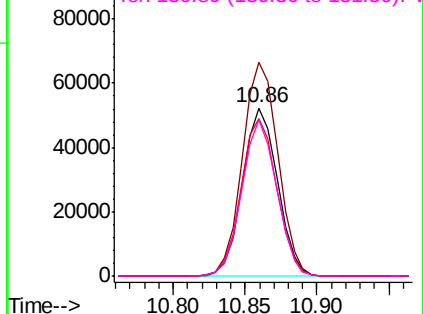


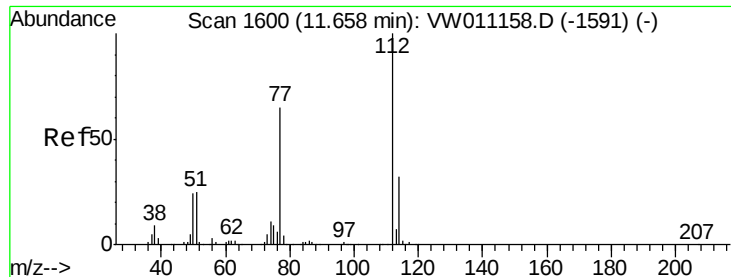
#64
Tetrachloroethene
Concen: 46.895 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion:164 Resp: 87678
Ion Ratio Lower Upper
164 100
166 127.0 99.7 149.5
129 93.6 76.2 114.2
131 92.6 74.0 111.0



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

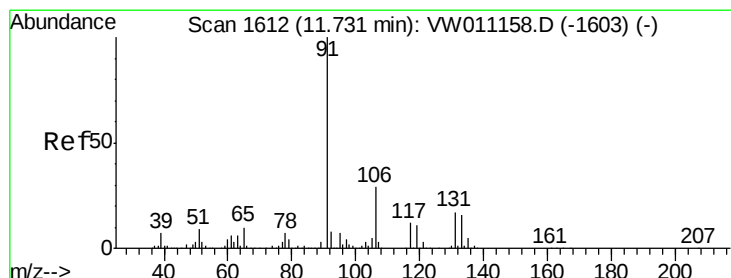
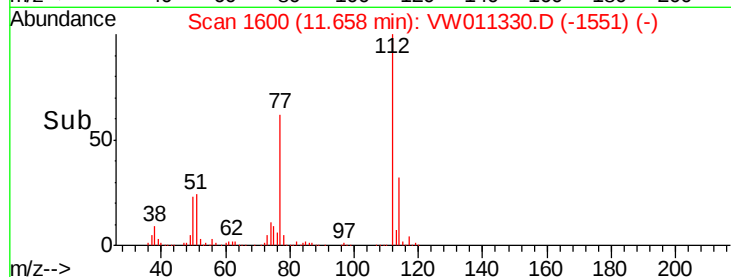
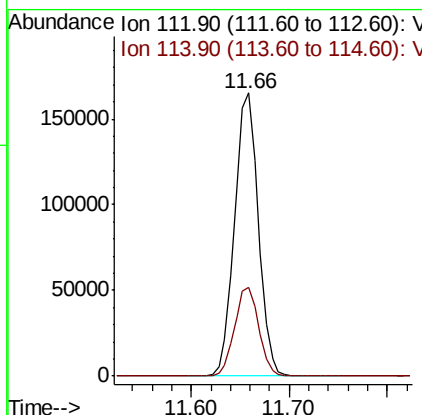
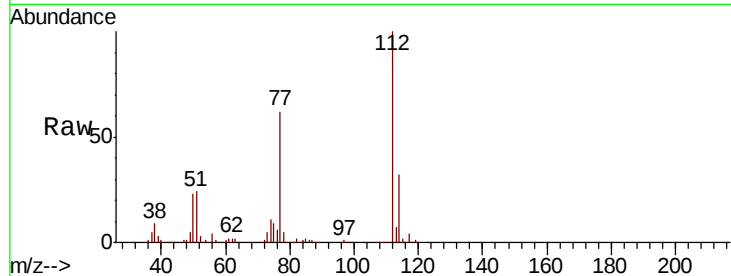




#65
Chlorobenzene
Concen: 49.472 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

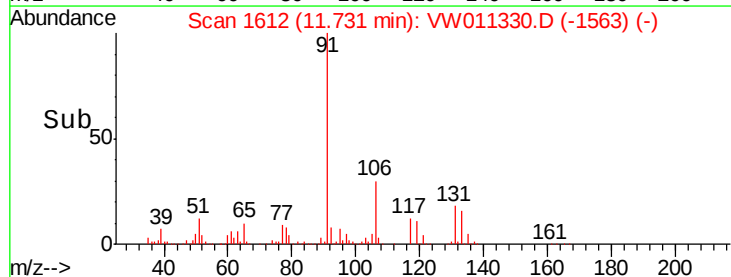
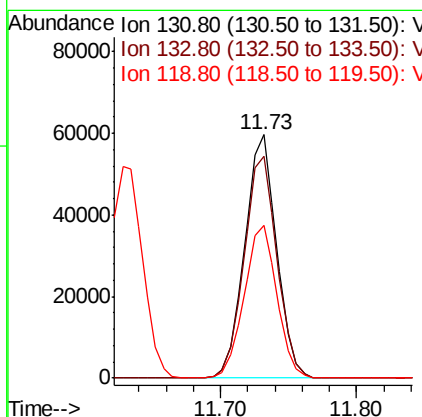
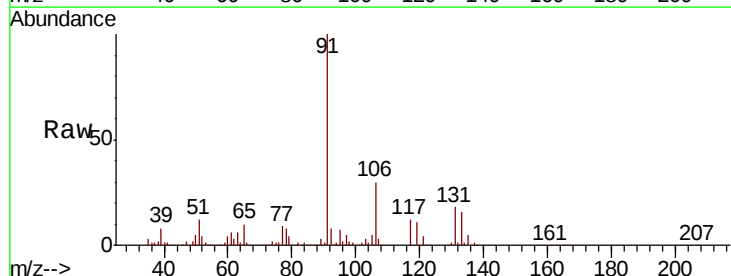
Instrument :
MSVOA_W
ClientSampleId :

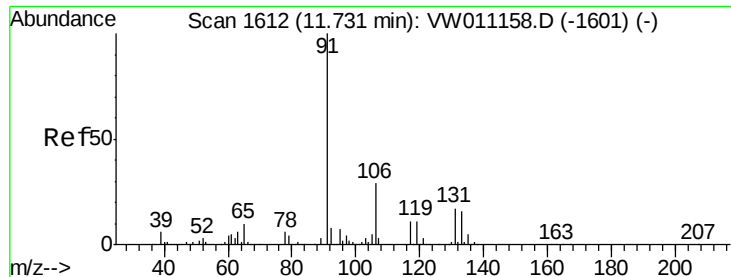
Tot Ion:112 Resp: 278691
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.312 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion:131 Resp: 97810
Ion Ratio Lower Upper
131 100
133 94.0 47.9 143.8
119 64.5 33.1 99.2

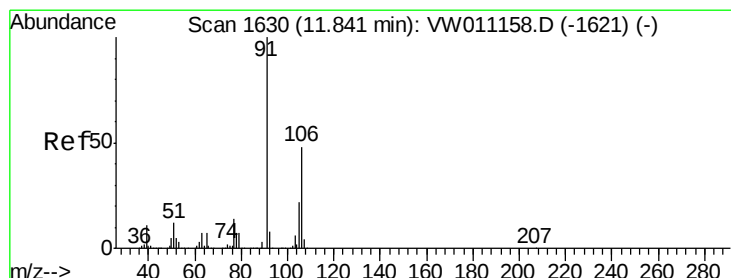
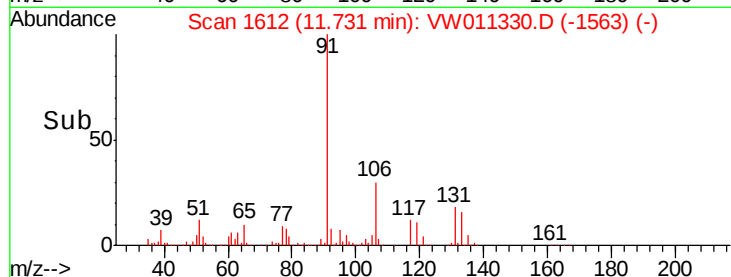
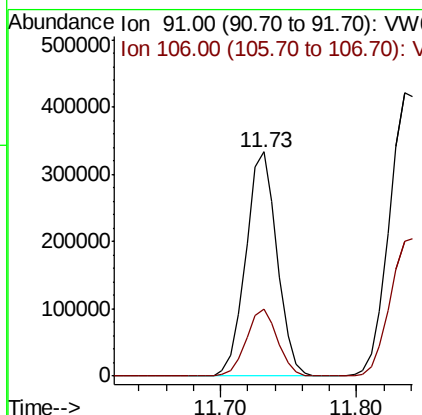
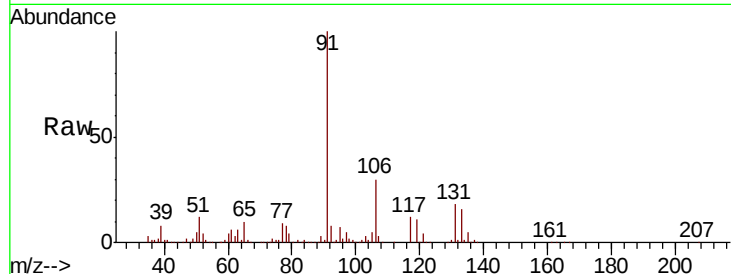




#67
Ethyl Benzene
Concen: 49.621 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

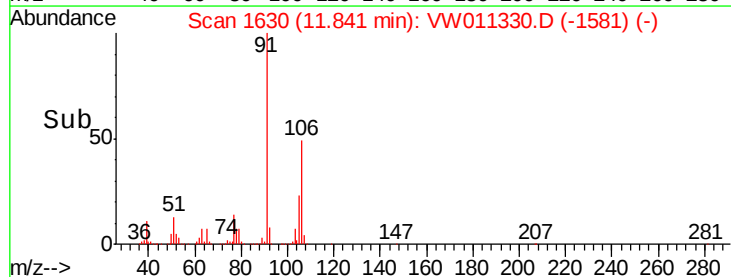
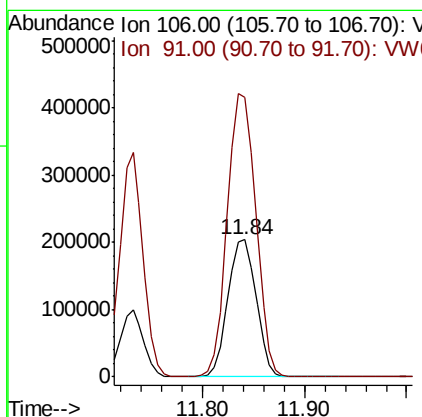
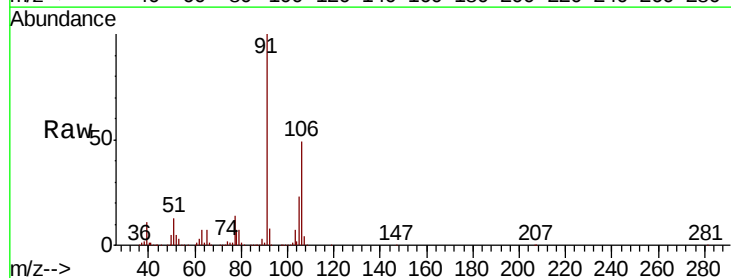
Instrument :
MSVOA_W
ClientSampled :

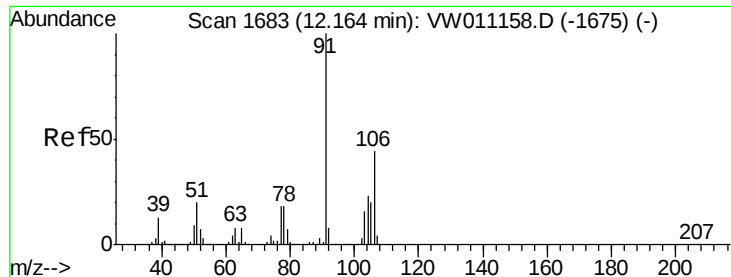
Tot Ion: 91 Resp: 535126
Ion Ratio Lower Upper
91 100
106 30.1 23.5 35.3



#68
m/p-Xylenes
Concen: 100.237 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 106 Resp: 391145
Ion Ratio Lower Upper
106 100
91 208.7 167.7 251.5

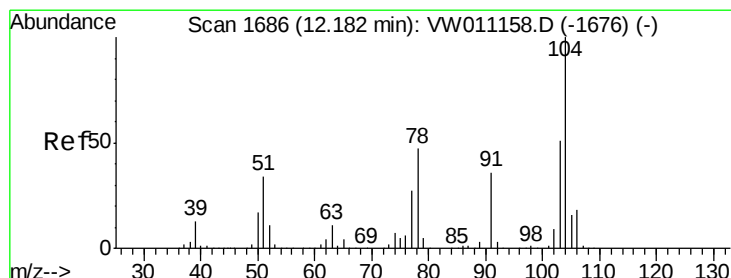
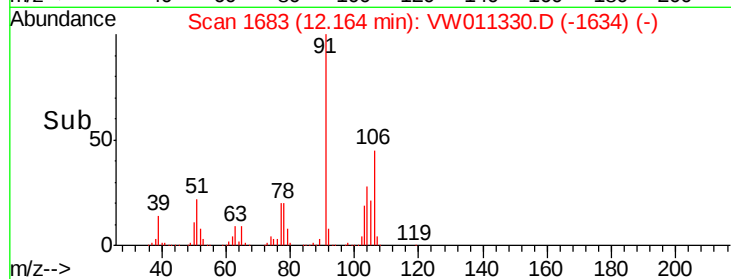
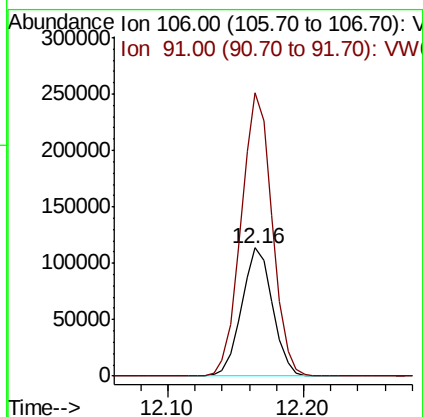
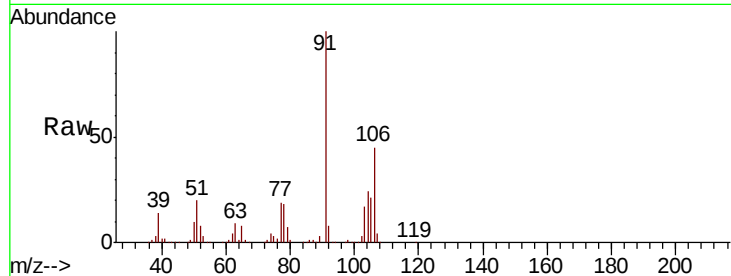




#69
o-Xylene
Concen: 49.196 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

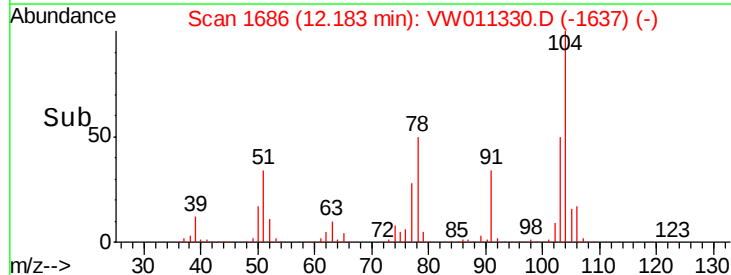
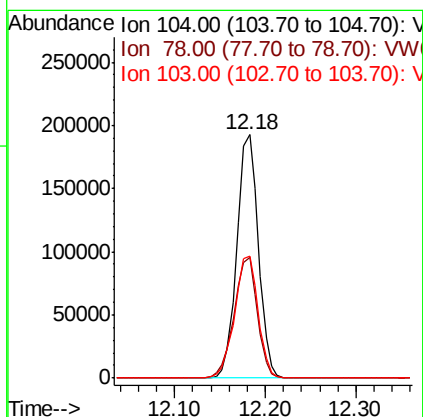
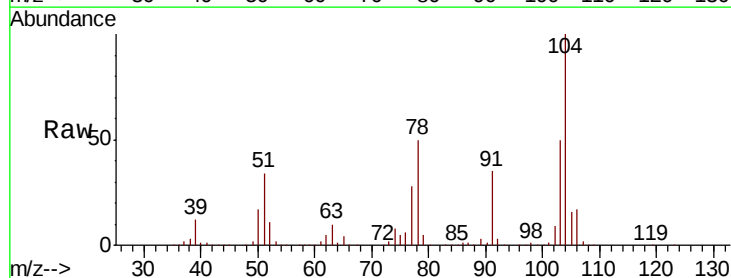
Instrument :
MSVOA_W
ClientSampled :

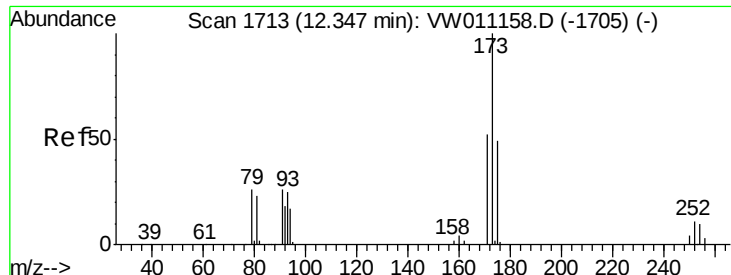
Tot Ion:106 Resp: 180936
Ion Ratio Lower Upper
106 100
91 221.2 110.7 332.1



#70
Styrene
Concen: 50.010 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion:104 Resp: 317433
Ion Ratio Lower Upper
104 100
78 53.5 43.1 64.7
103 54.7 44.1 66.1





#71

Bromoform

Concen: 46.877 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

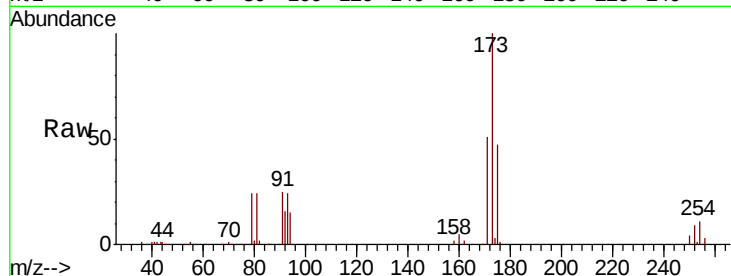
Tot Ion:173 Resp: 49436

Ion Ratio Lower Upper

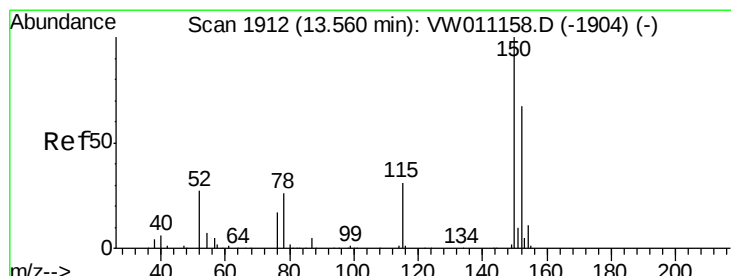
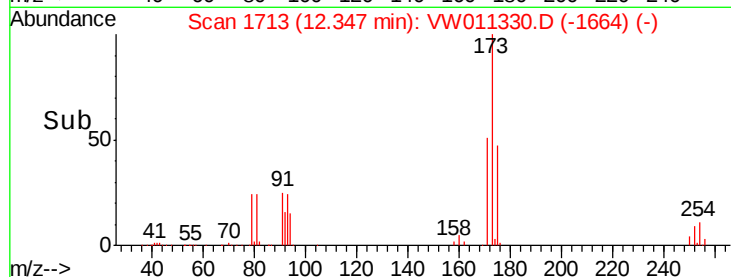
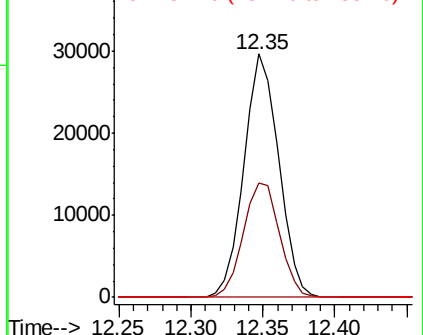
173 100

175 49.1 24.8 74.3

254 0.2 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: VW011330.D

Acq: 18 Jul 2019 10:48

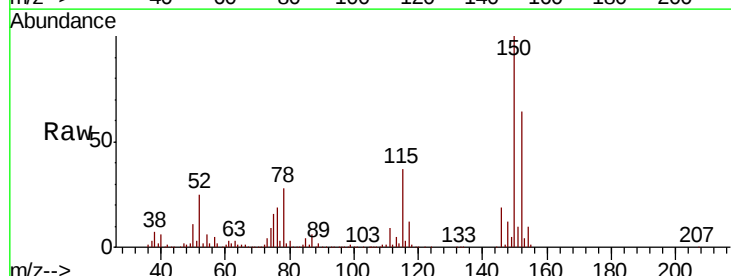
Tgt Ion:152 Resp: 135989

Ion Ratio Lower Upper

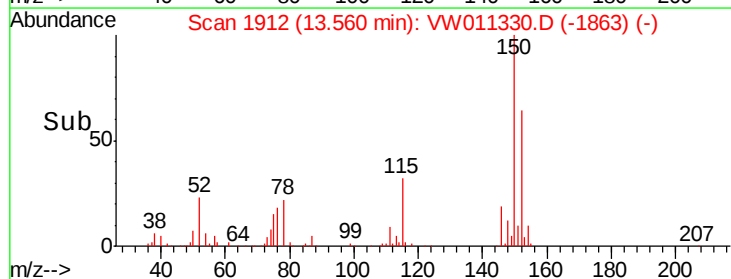
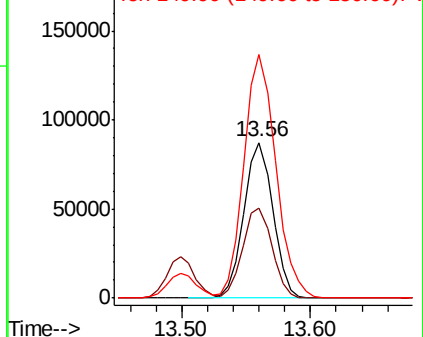
152 100

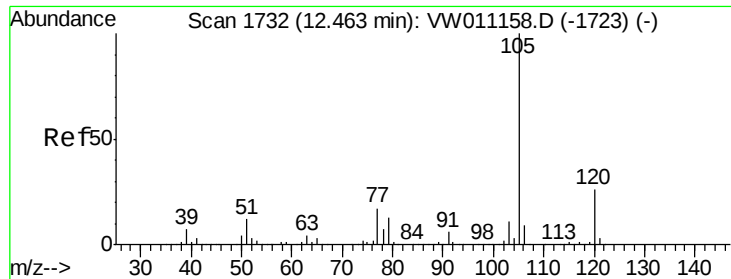
115 58.9 30.1 90.3

150 172.2 0.0 346.0



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





#73

Isopropylbenzene

Concen: 49.264 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

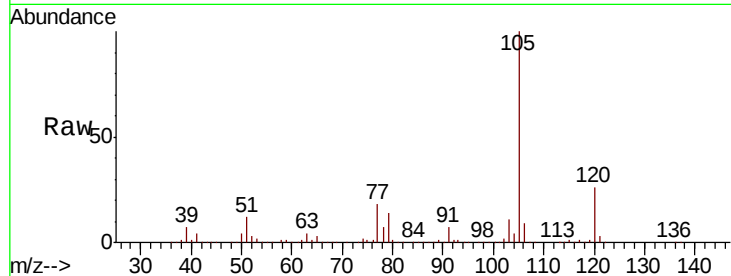
ClientSampleId :

Tot Ion:105 Resp: 500805

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

300000

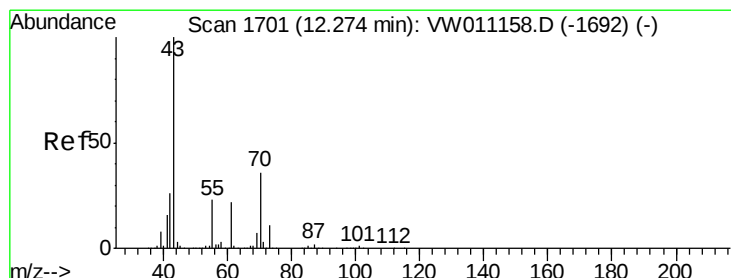
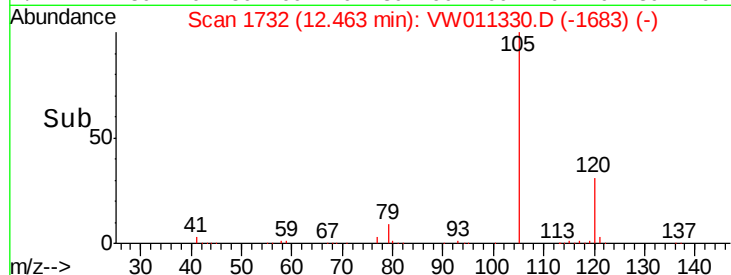
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 46.845 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion: 43 Resp: 165854

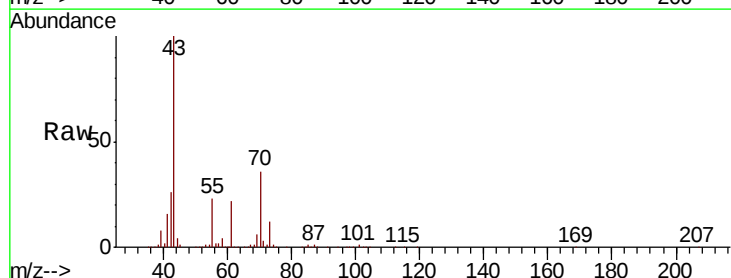
Ion Ratio Lower Upper

43 100

70 35.7 28.5 42.7

55 23.1 18.1 27.1

61 21.7 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

150000

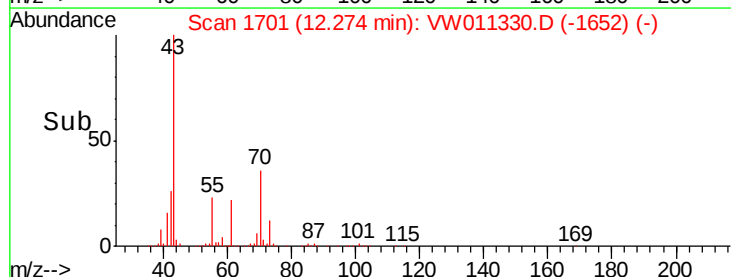
100000

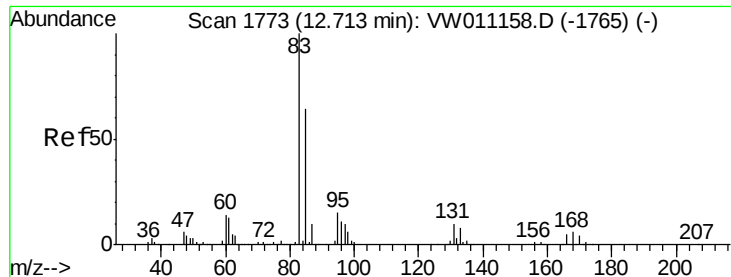
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 47.130 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

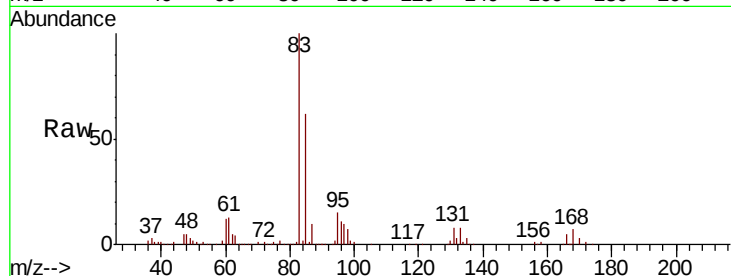
Tot Ion: 83 Resp: 98210

Ion Ratio Lower Upper

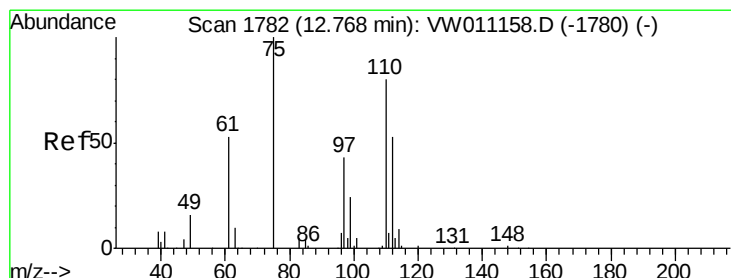
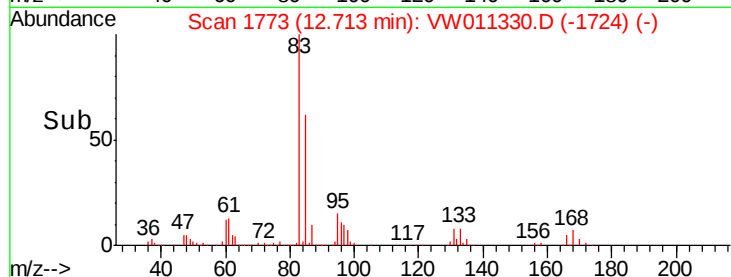
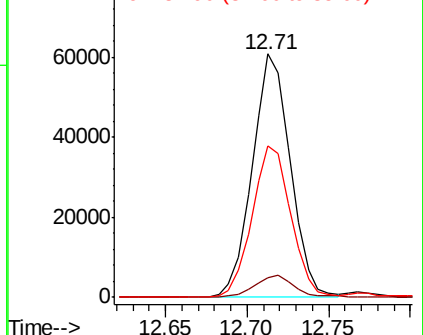
83 100

131 9.4 5.0 15.0

85 63.5 31.6 94.8



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: 81.063 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011330.D

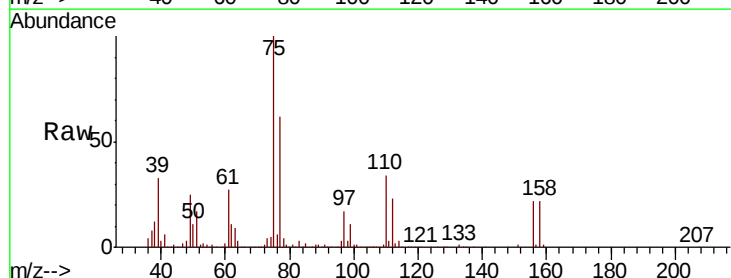
Acq: 18 Jul 2019 10:48

Tgt Ion: 75 Resp: 127393

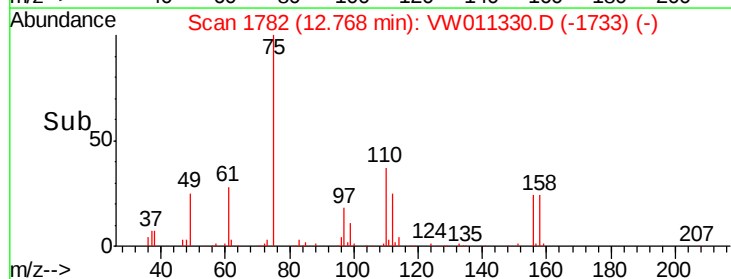
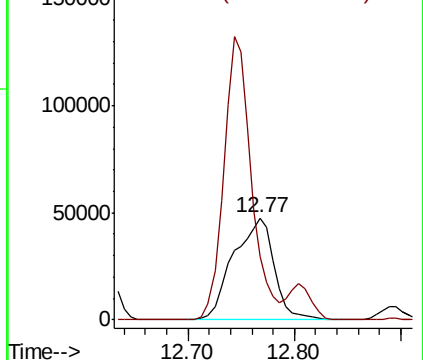
Ion Ratio Lower Upper

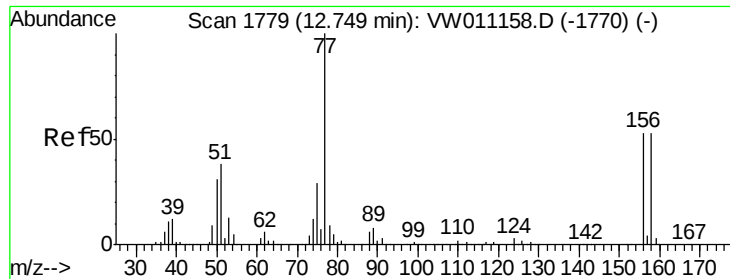
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

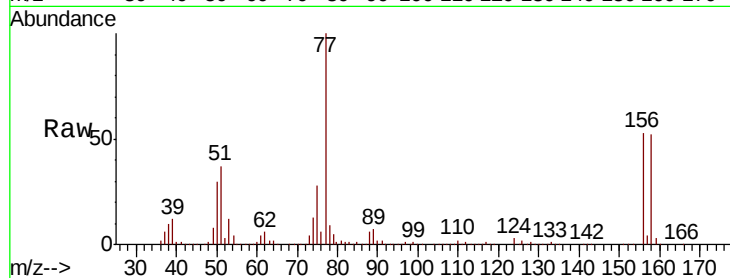




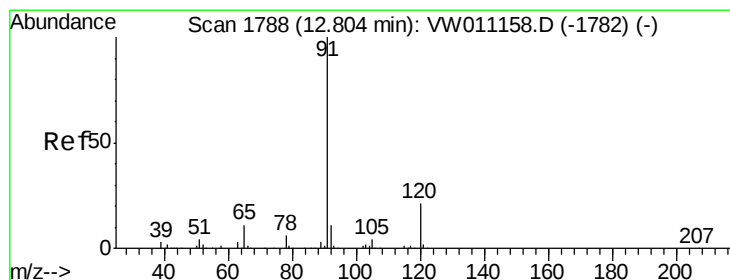
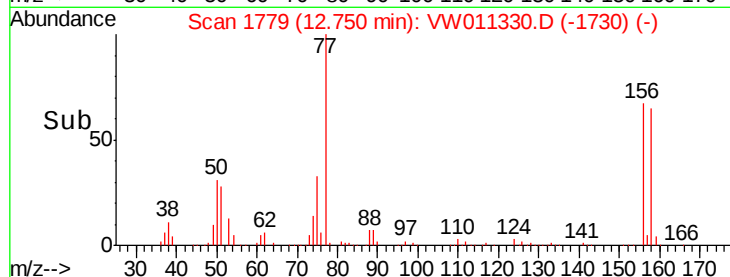
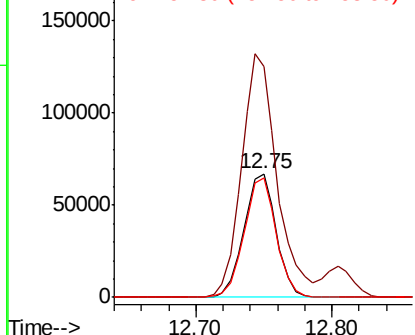
#77
Bromobenzene
Concen: 48.480 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:156 Resp: 110600
Ion Ratio Lower Upper
156 100
77 216.4 109.0 327.0
158 96.3 48.8 146.3

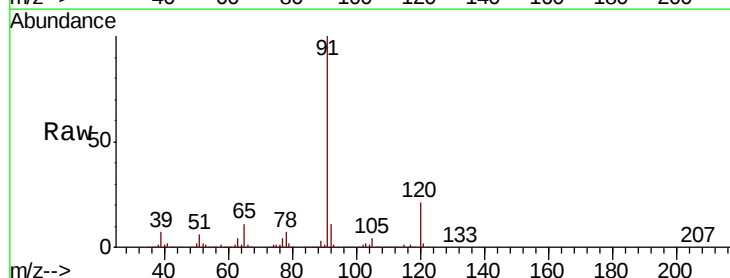


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

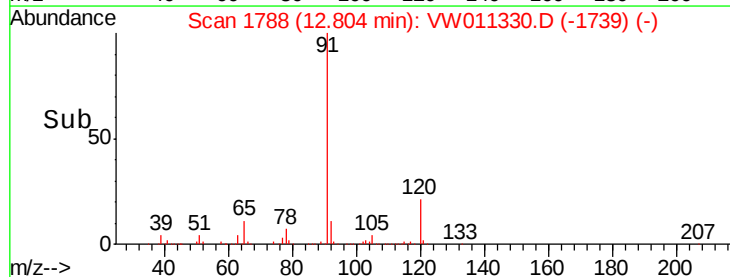
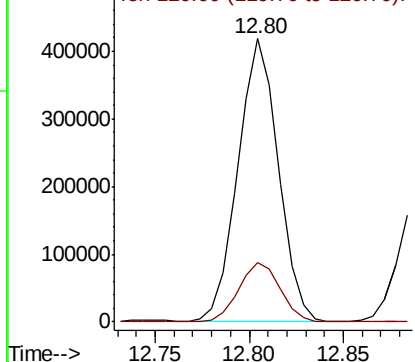


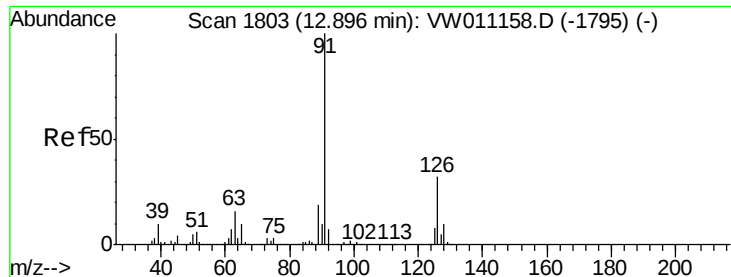
#78
n-propylbenzene
Concen: 49.543 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion: 91 Resp: 620413
Ion Ratio Lower Upper
91 100
120 21.5 10.8 32.3



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





#79

2-Chlorotoluene

Concen: 49.033 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

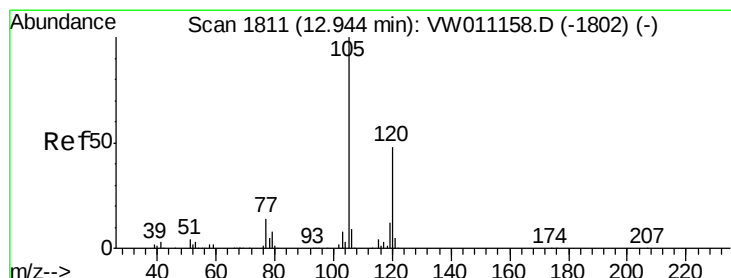
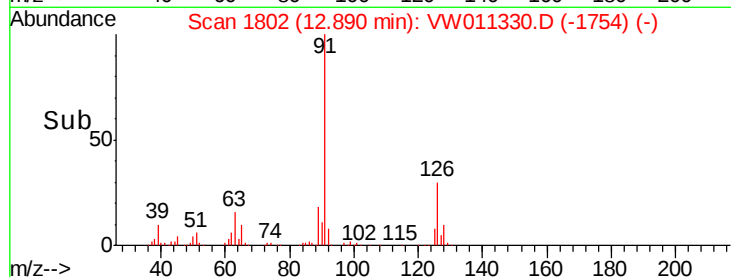
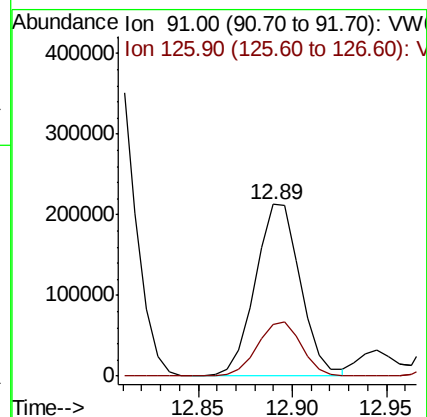
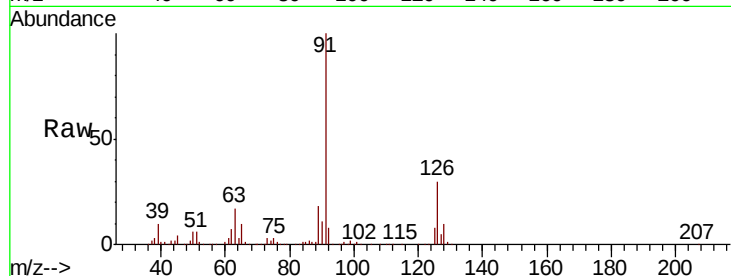
ClientSampleId :

Tot Ion: 91 Resp: 353342

Ion Ratio Lower Upper

91 100

126 31.1 15.8 47.3



#80

1,3,5-Trimethylbenzene

Concen: 49.235 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011330.D

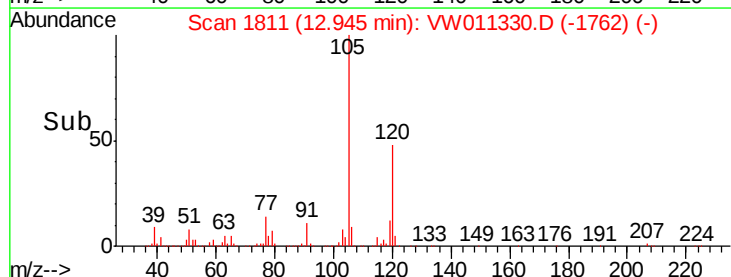
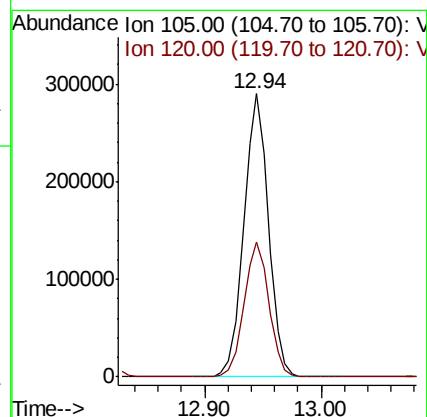
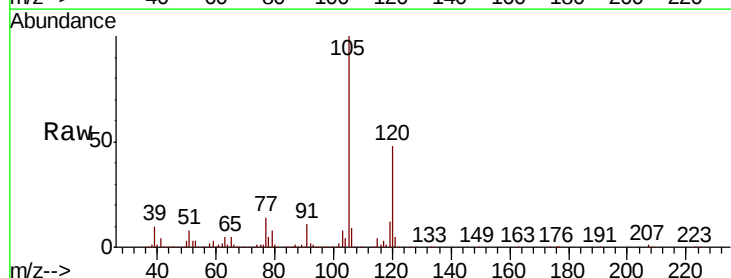
Acq: 18 Jul 2019 10:48

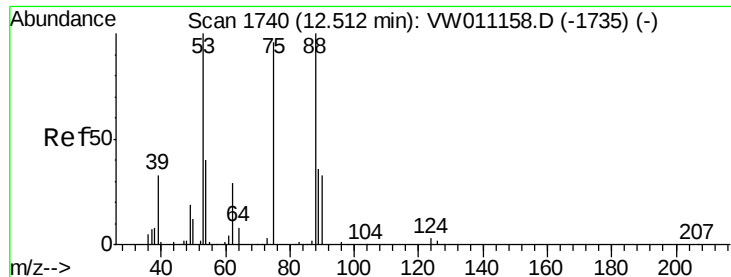
Tgt Ion: 105 Resp: 425206

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 44.509 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampled :

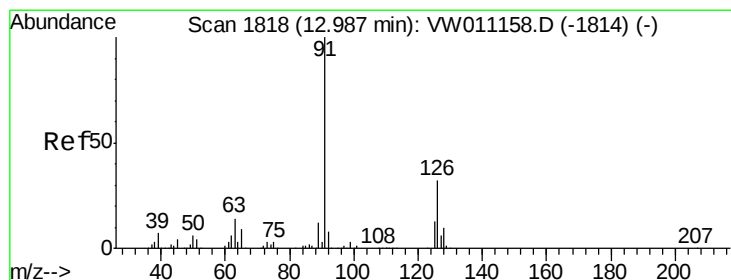
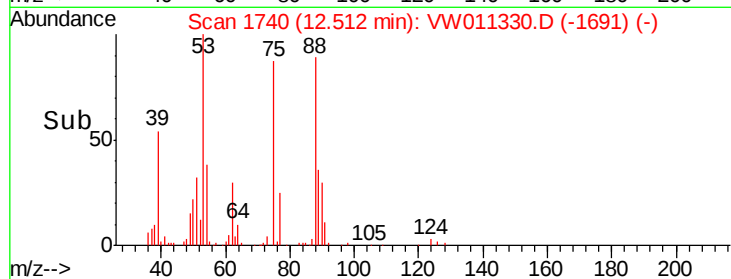
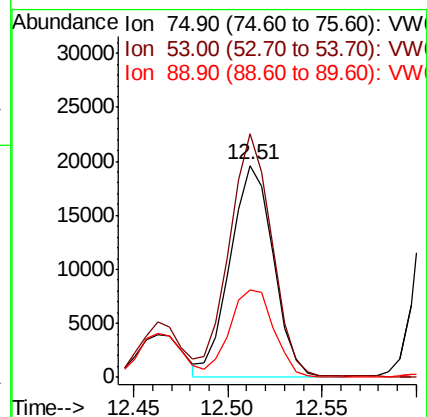
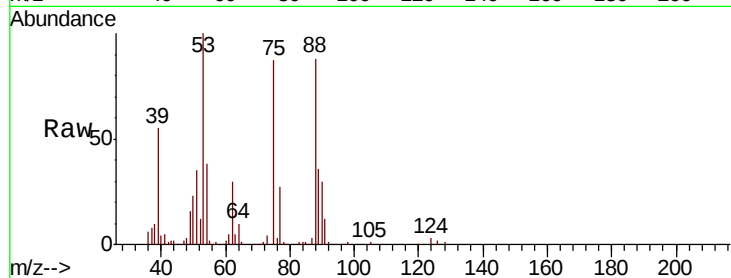
Tot Ion: 75 Resp: 30925

Ion Ratio Lower Upper

75 100

53 115.7 89.8 134.6

89 42.8 34.3 51.5



#82

4-Chlorotoluene

Concen: 48.908 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011330.D

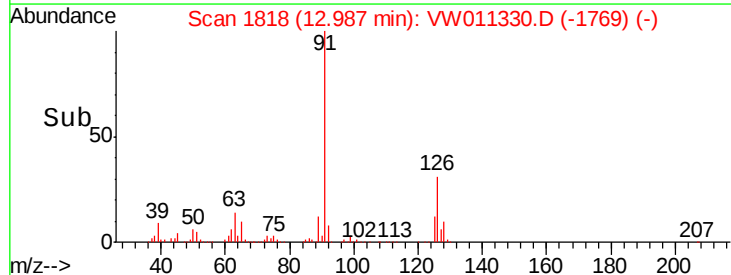
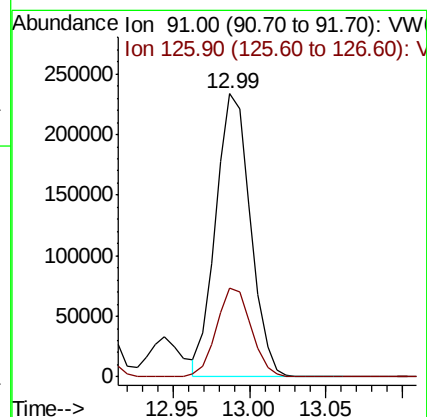
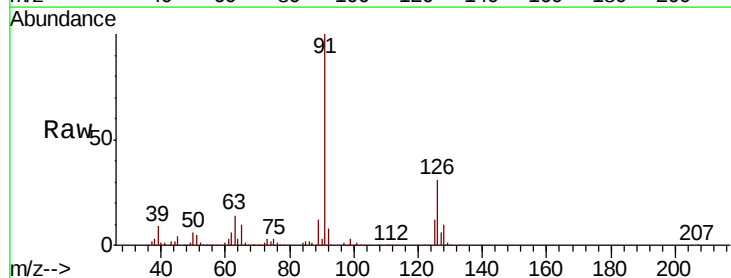
Acq: 18 Jul 2019 10:48

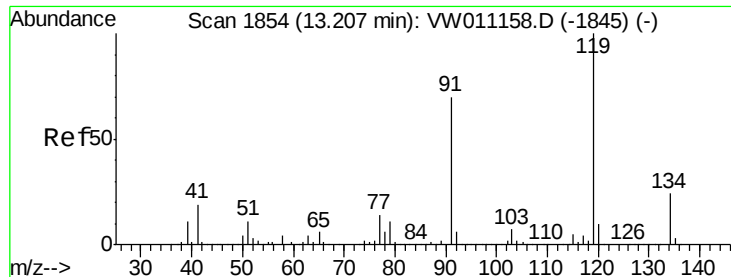
Tgt Ion: 91 Resp: 367086

Ion Ratio Lower Upper

91 100

126 31.6 15.7 47.1

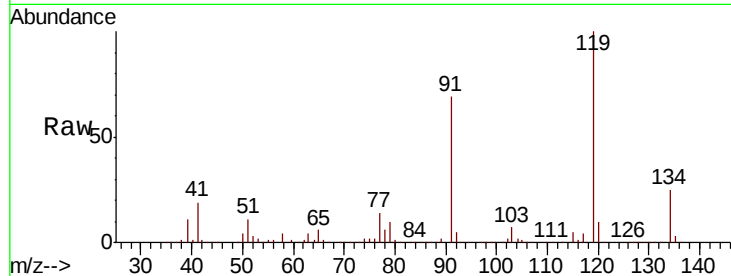




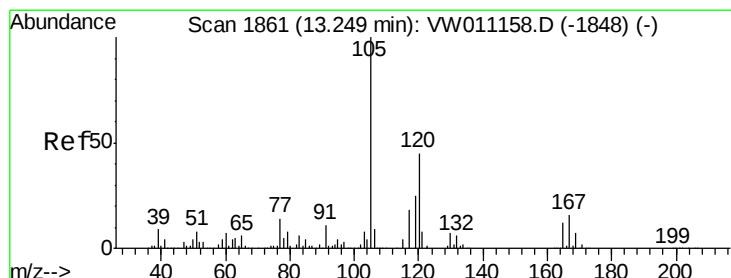
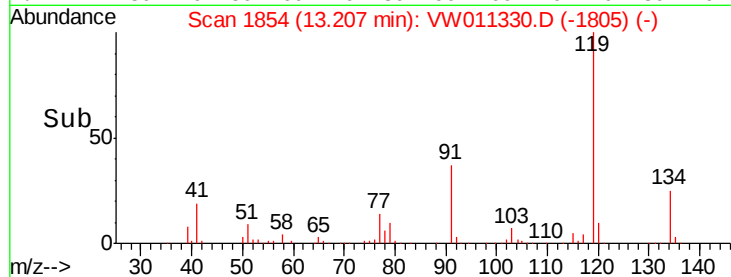
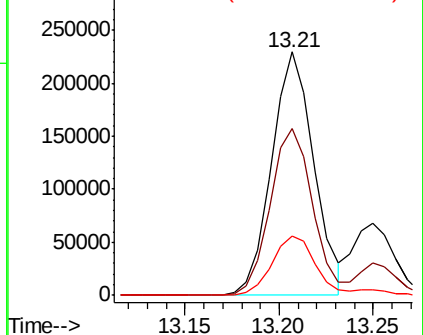
#83
tert-Butylbenzene
Concen: 49.536 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 356786
Ion Ratio Lower Upper
119 100
91 69.9 35.4 106.3
134 24.9 13.4 40.2

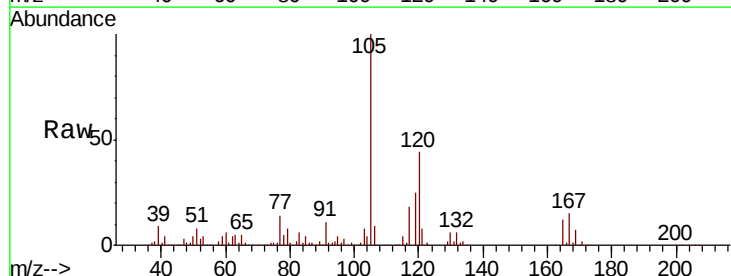


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

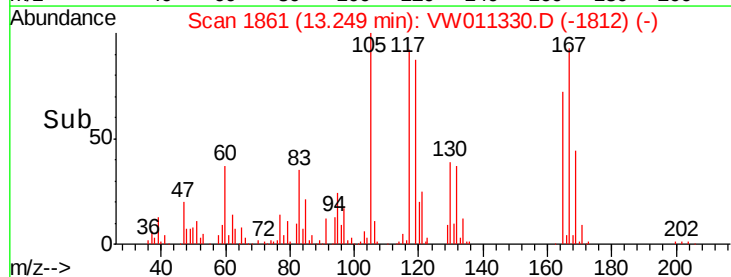
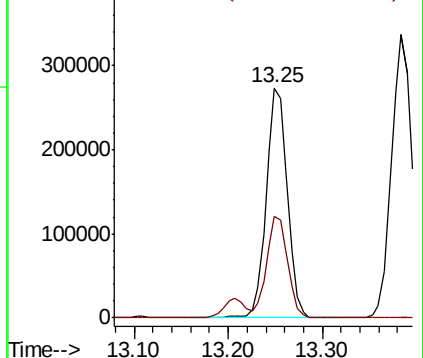


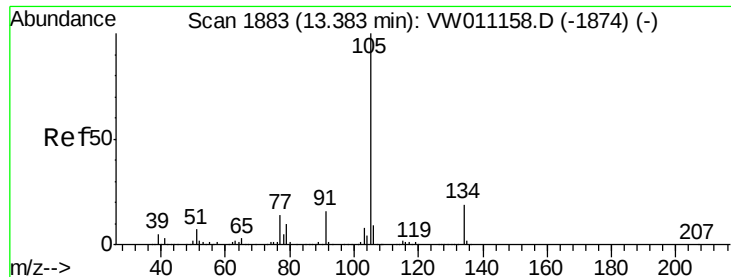
#84
1,2,4-Trimethylbenzene
Concen: 49.570 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion:105 Resp: 429862
Ion Ratio Lower Upper
105 100
120 43.9 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.252 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

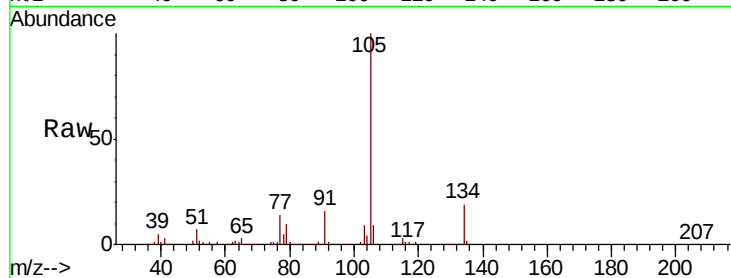
ClientSampleId :

Tot Ion:105 Resp: 511874

Ion Ratio Lower Upper

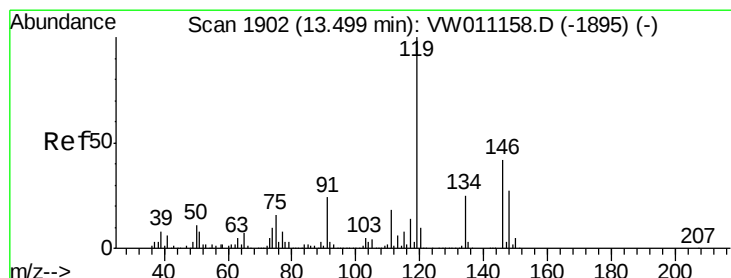
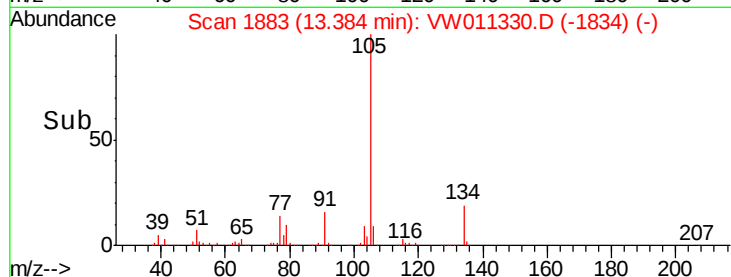
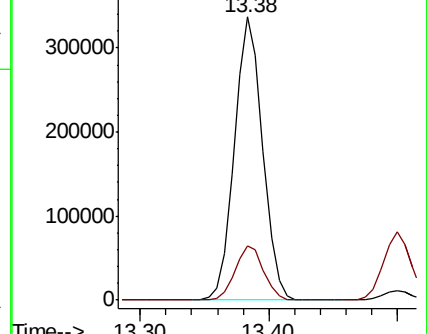
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.781 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

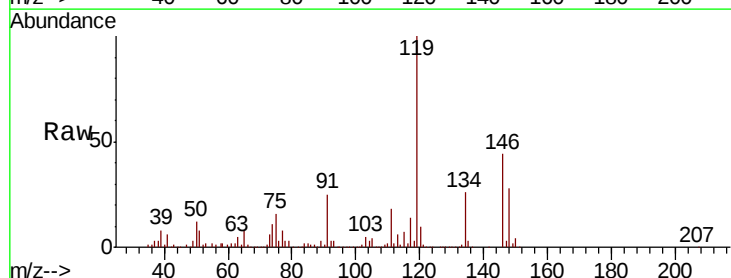
Tgt Ion:119 Resp: 464041

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

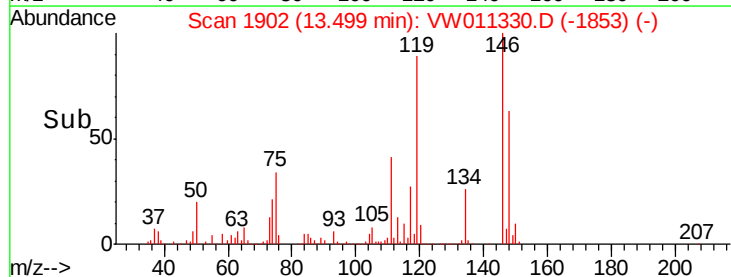
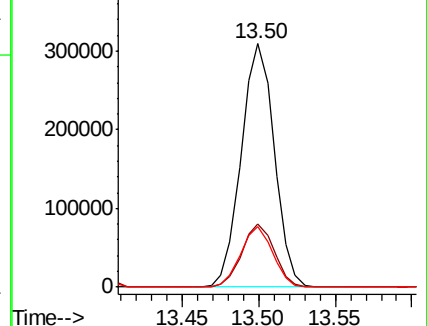
91 24.1 12.3 36.8

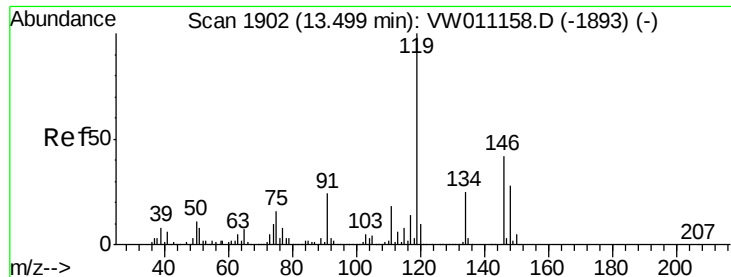


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.453 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

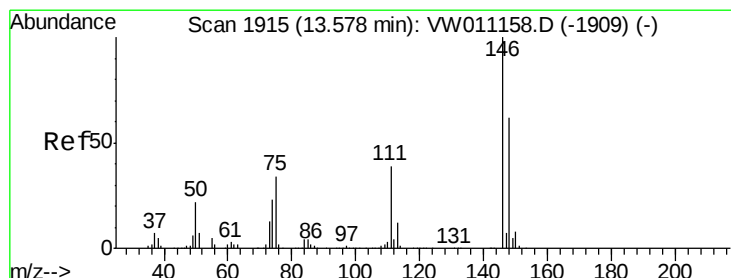
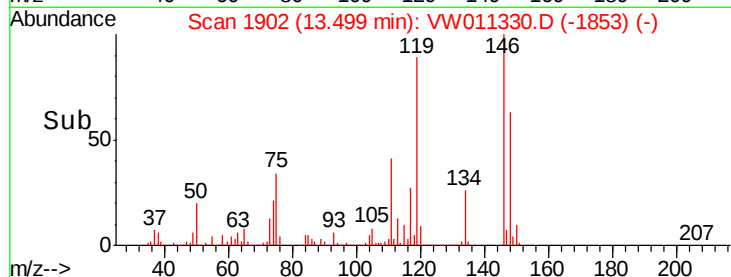
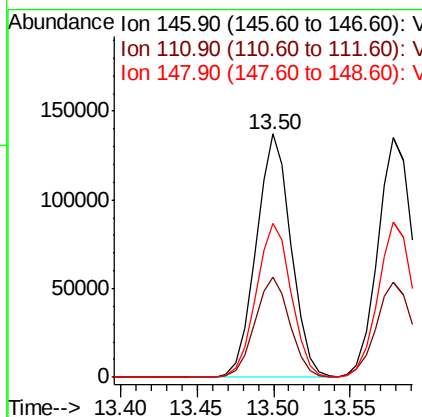
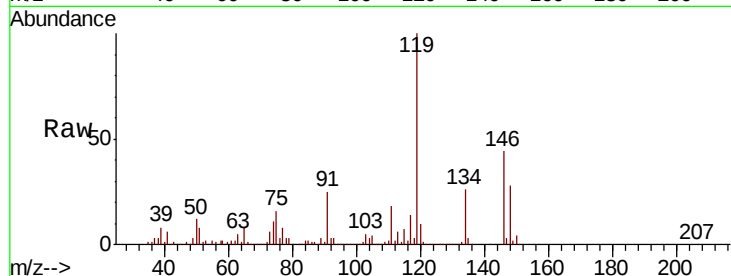
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146 Resp: 217065

Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	63.6	32.6	97.7



#88

1,4-Dichlorobenzene

Concen: 48.520 ug/l

RT: 13.58 min Scan# 1915

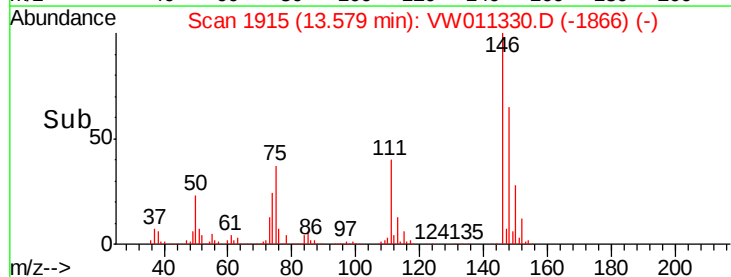
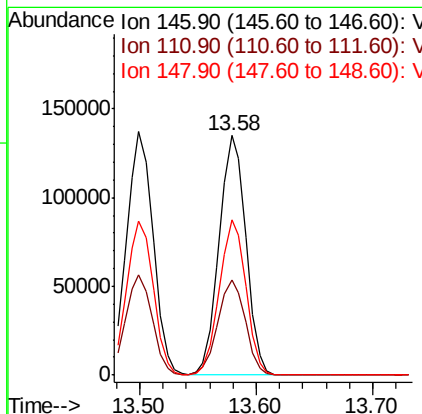
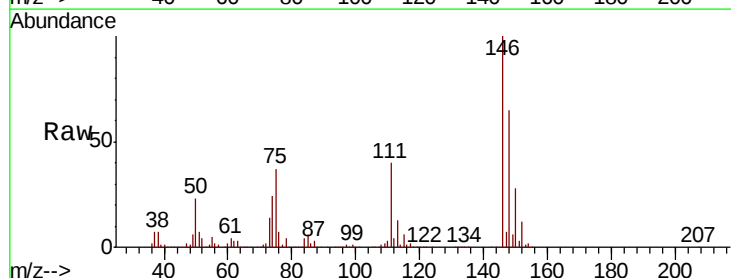
Delta R.T. 0.00 min

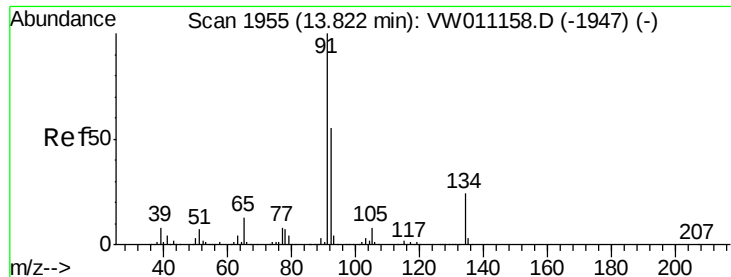
Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Tgt Ion:146 Resp: 214455

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	64.3	31.5	94.5





#89

n-Butylbenzene

Concen: 50.291 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011330.D

Acq: 18 Jul 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

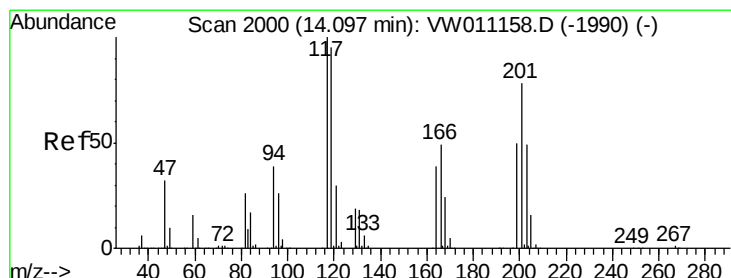
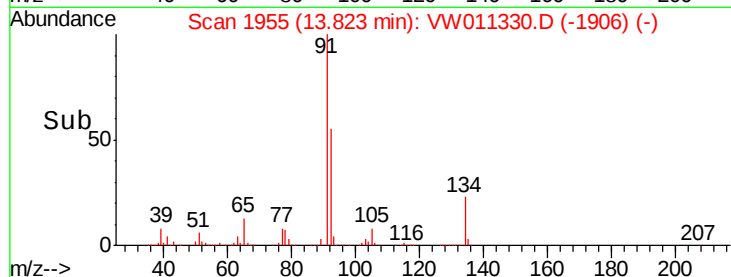
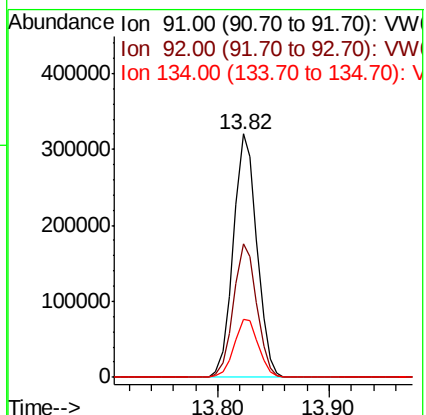
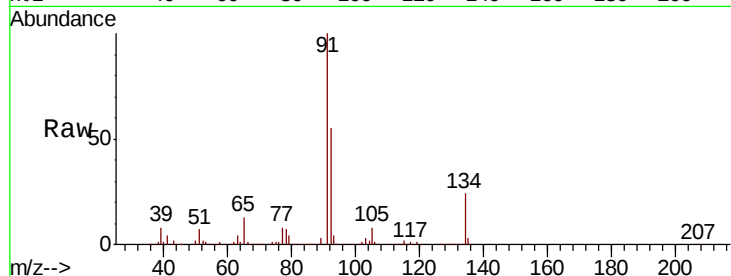
Tot Ion: 91 Resp: 467661

Ion Ratio Lower Upper

91 100

92 54.5 26.9 80.7

134 24.4 12.2 36.4



#90

Hexachloroethane

Concen: 47.702 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011330.D

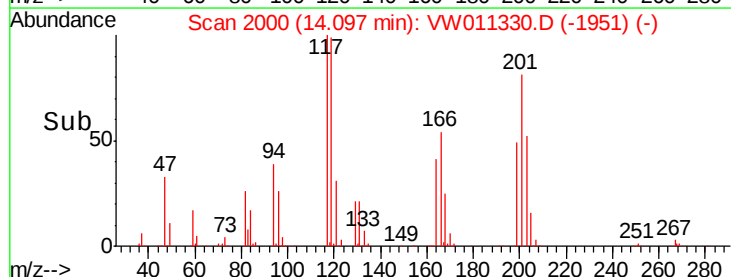
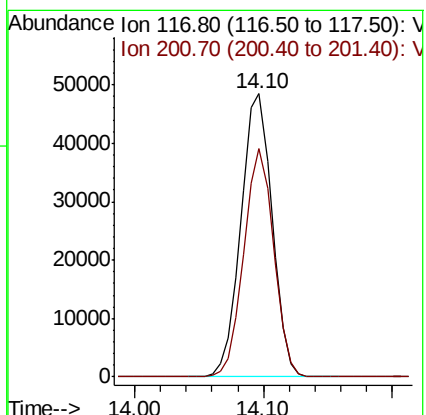
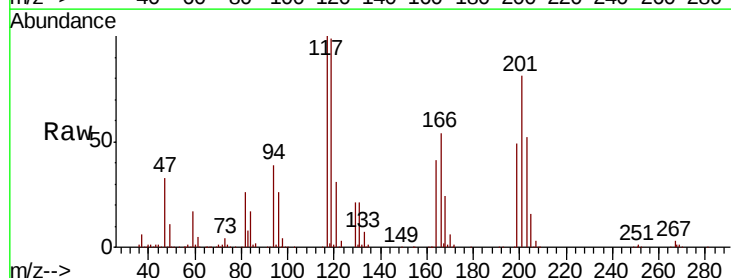
Acq: 18 Jul 2019 10:48

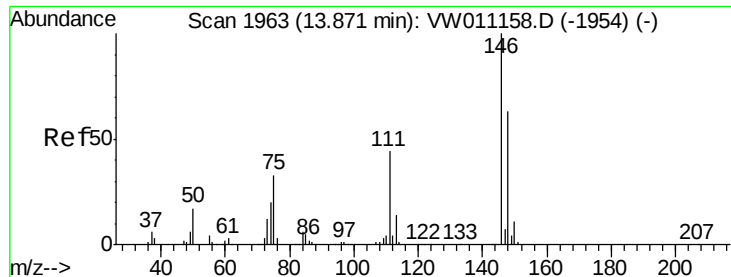
Tgt Ion: 117 Resp: 81255

Ion Ratio Lower Upper

117 100

201 76.8 38.3 114.8

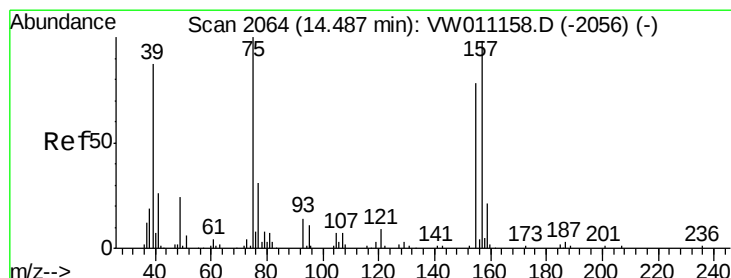
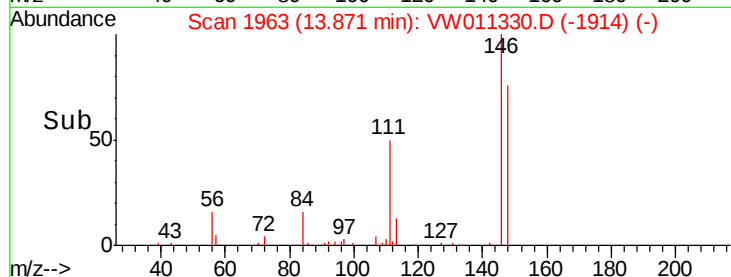
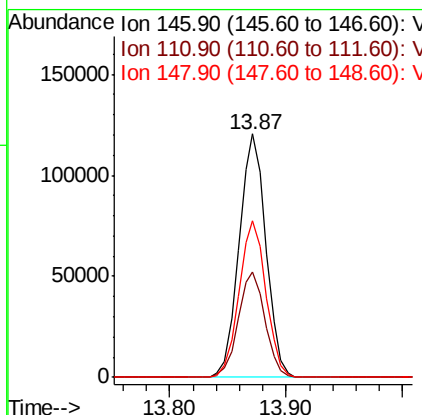
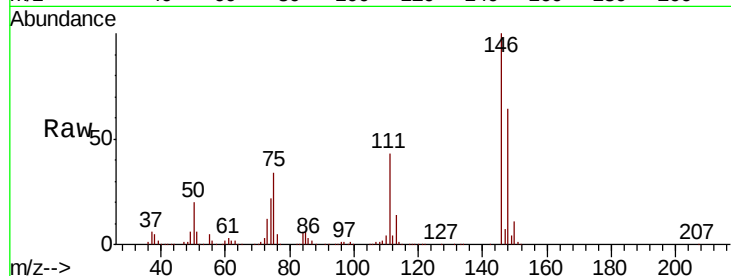




#91
 1,2-Dichlorobenzene
 Concen: 48.470 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

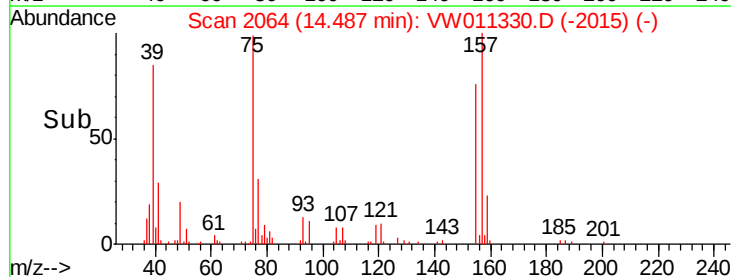
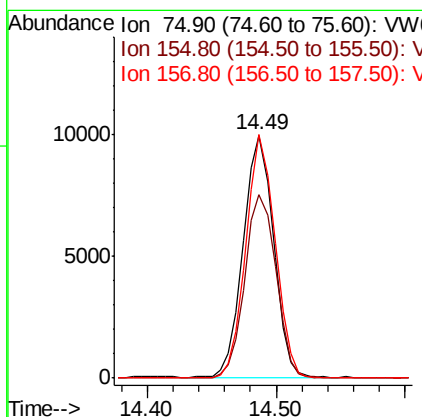
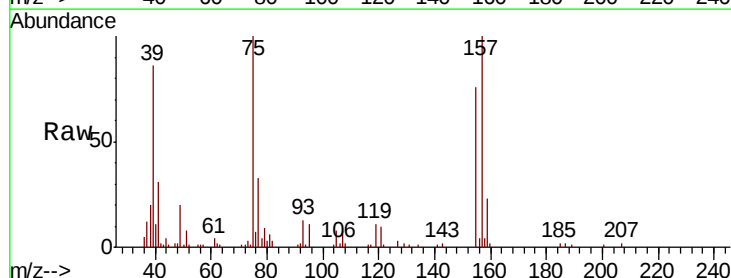
Instrument :
 MSVOA_W
 ClientSampleId :

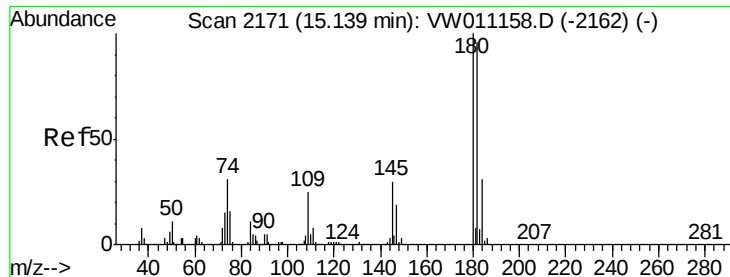
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.5	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.321 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	37.1	111.3
157	95.5	48.5	145.6

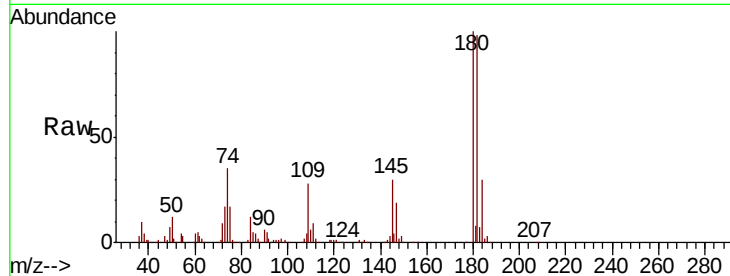




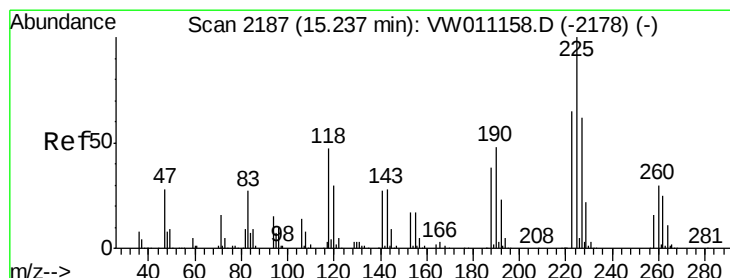
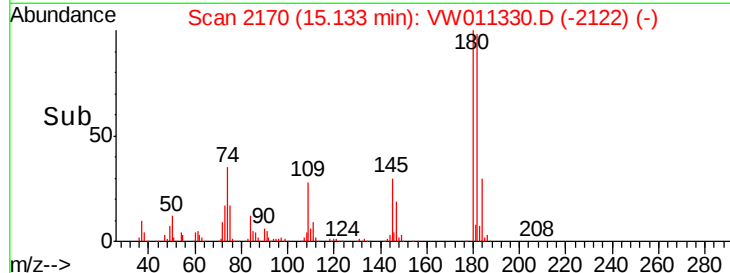
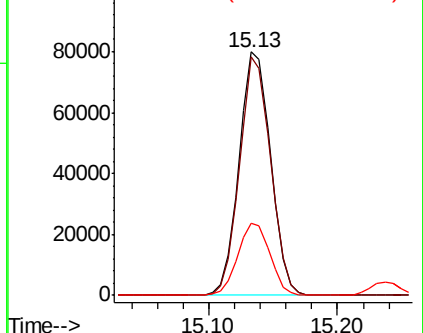
#93
 1,2,4-Trichlorobenzene
 Concen: 49.239 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 135049
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.3 144.9
 145 30.1 15.5 46.5

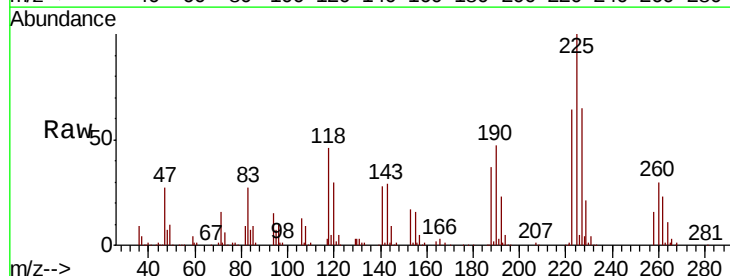


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

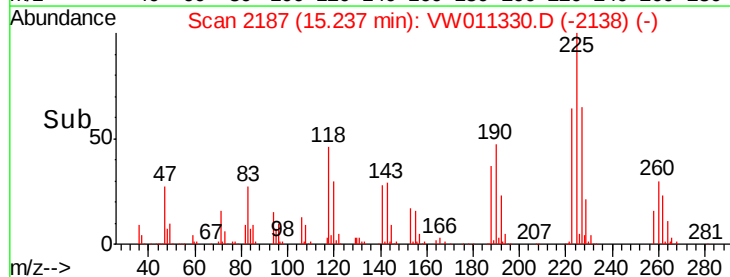
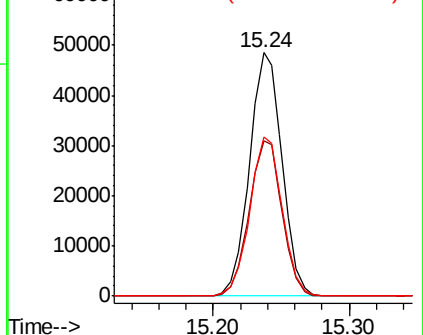


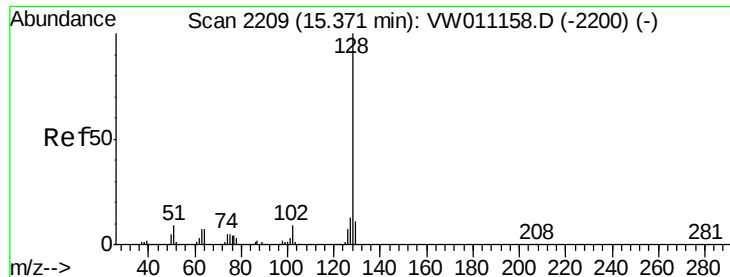
#94
 Hexachlorobutadiene
 Concen: 48.261 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011330.D
 Acq: 18 Jul 2019 10:48

Tgt Ion:225 Resp: 81266
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.6 95.0
 227 65.1 32.0 96.0



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

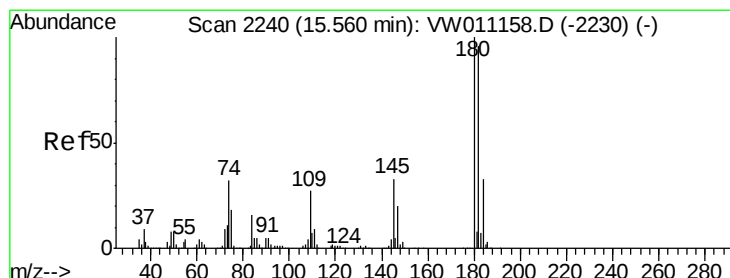
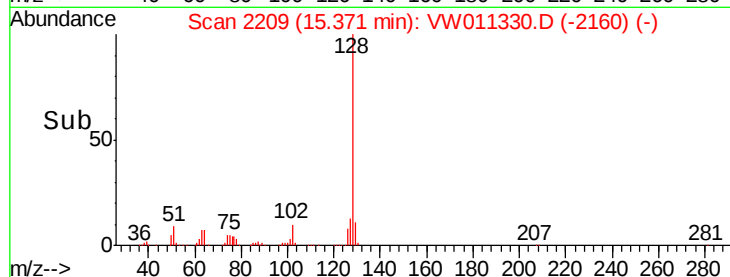
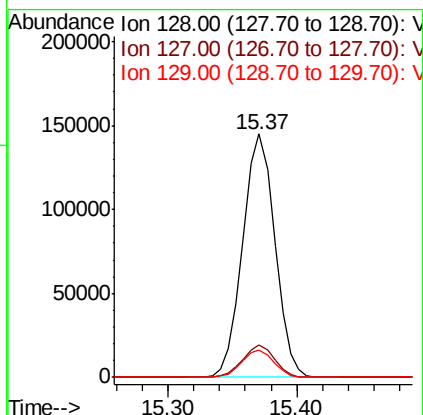
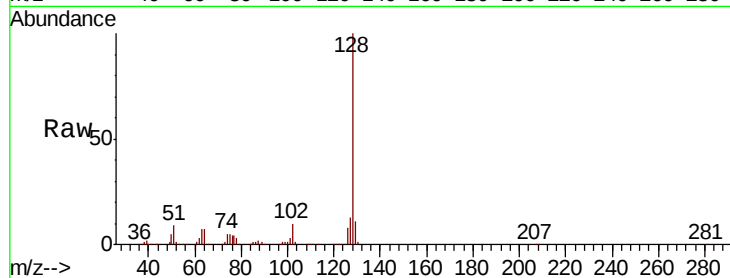




#95
Naphthalene
Concen: 47.767 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.371 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011330.D
Acq: 18 Jul 2019 10:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	31.3	16.5	49.5

