

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012820.D
 Acq On : 09 Sep 2019 14:41
 Operator : SY/VA
 Sample : K4762-06
 Misc : 5.45G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 15:19:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	351472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	104705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	123283	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
35) Dibromofluoromethane	7.88	113	101777	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	10.32	98	416505	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.62	95	122035	41.06	ug/l	0.00
Spiked Amount			Recovery	=	82.12%	

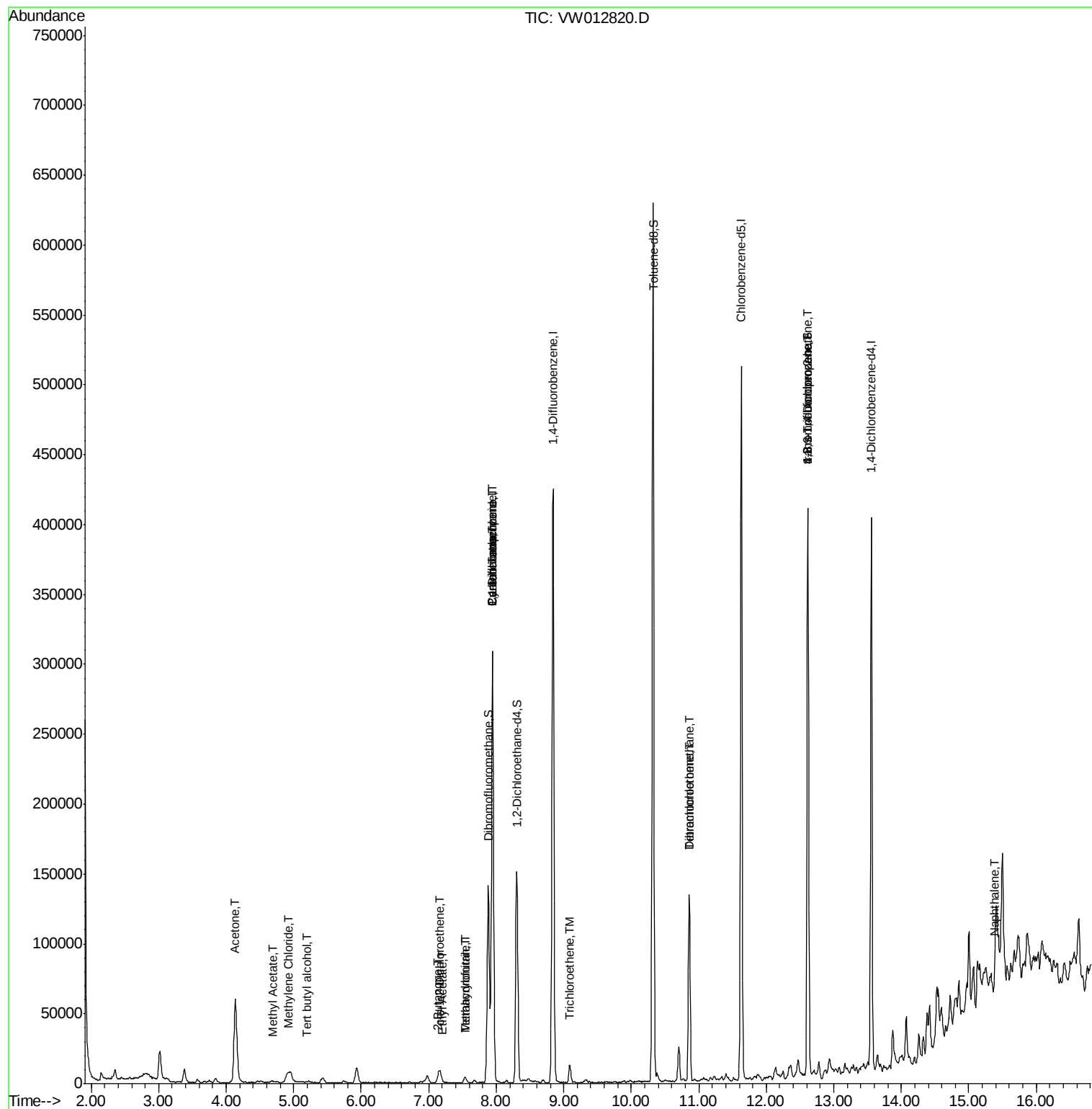
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	622	3.092	ug/l #	65
16) Acetone	4.14	43	122158	170.413	ug/l	99
18) Methyl Acetate	4.68	43	1900	1.130	ug/l #	69
20) Methylene Chloride	4.91	84	3826	1.706	ug/l	91
25) 2-Butanone	7.13	43	186	19.843	ug/l #	53
27) cis-1,2-Dichloroethene	7.17	96	2825	1.229	ug/l	85
29) Tetrahydrofuran	7.54	42	3823	6.604	ug/l	97
31) Cyclohexane	7.95	56	5894	1.525	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18114	5.800	ug/l #	52
37) Ethyl Acetate	7.20	43	2138	1.074	ug/l #	72
38) Carbon Tetrachloride	7.95	117	21927	7.123	ug/l #	15
41) Methacrylonitrile	7.54	41	2542	5.573	ug/l #	49
44) Trichloroethene	9.09	130	4405	1.972	ug/l	98
60) Dibromochloromethane	10.86	129	24405	12.180	ug/l #	11
64) Tetrachloroethene	10.86	164	31109	18.273	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	63634	59.435	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63634	125.708	ug/l #	7
95) Naphthalene	15.37	128	1127	4.673	ug/l #	41

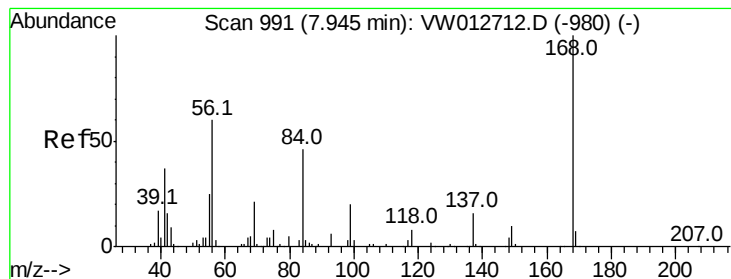
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012820.D

Acq: 09 Sep 2019 14:41

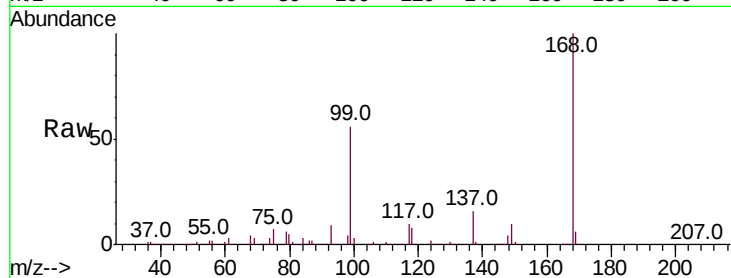
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 235331

Ion Ratio Lower Upper

168 100

99 56.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

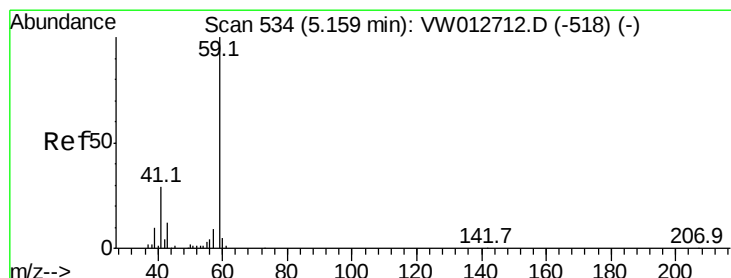
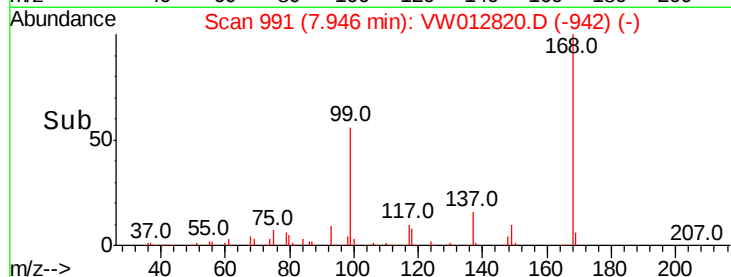
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.092 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012820.D

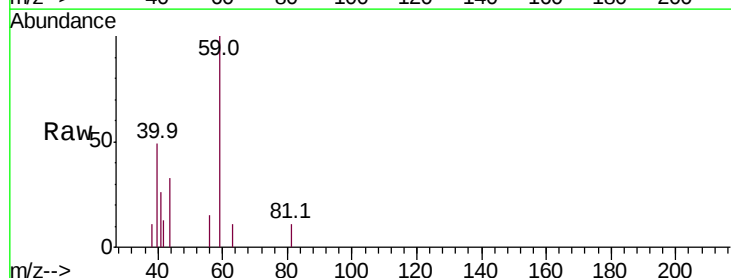
Acq: 09 Sep 2019 14:41

Tgt Ion: 59 Resp: 622

Ion Ratio Lower Upper

59 100

57 23.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

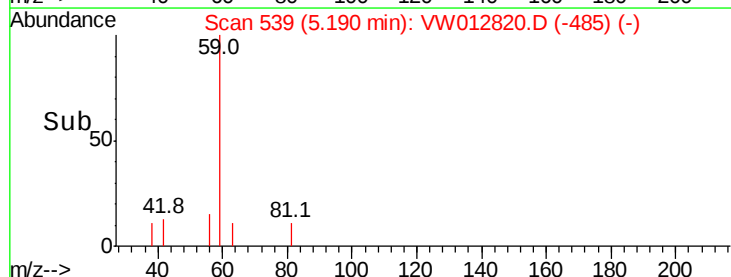
600

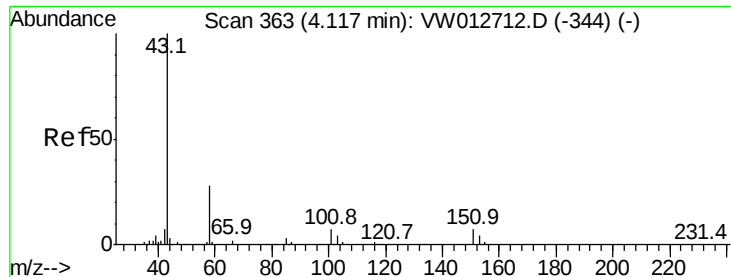
400

200

0

Time--> 5.15 5.20





#16

Acetone

Concen: 170.413 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012820.D

Acq: 09 Sep 2019 14:41

Instrument :

MSVOA_W

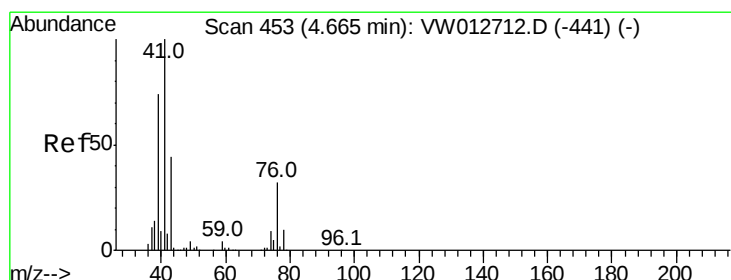
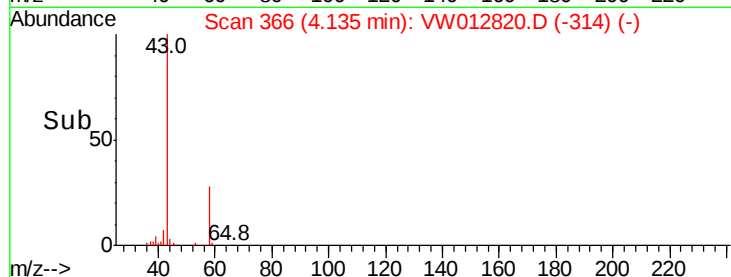
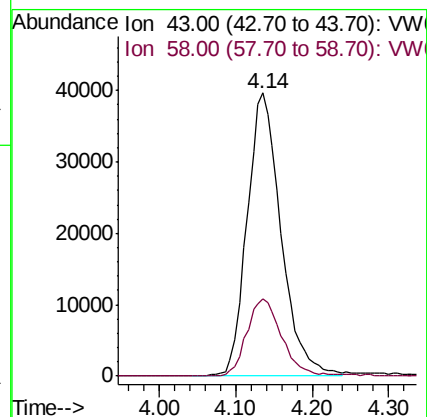
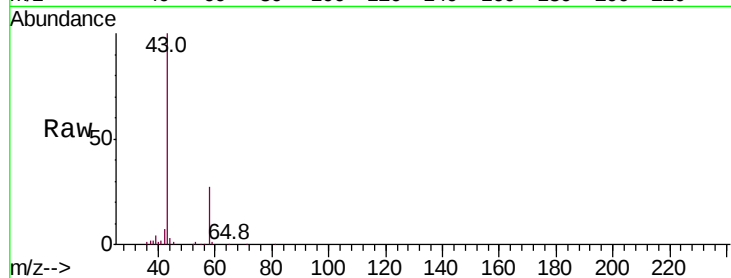
ClientSampled :

Tot Ion: 43 Resp: 122158

Ion Ratio Lower Upper

43 100

58 27.5 22.6 33.8



#18

Methyl Acetate

Concen: 1.130 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW012820.D

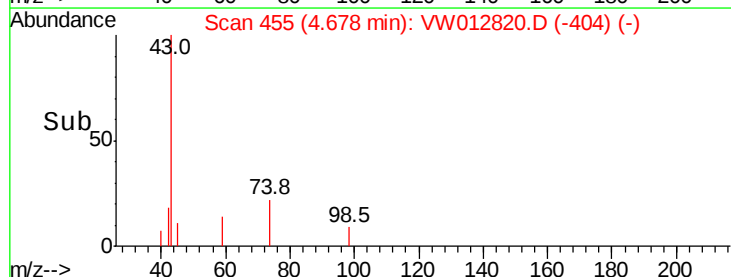
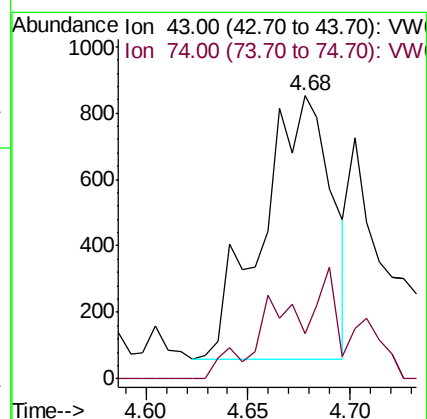
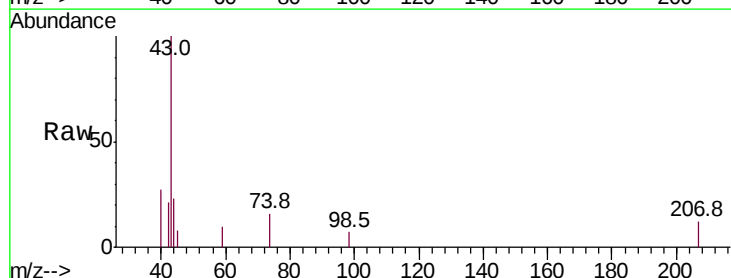
Acq: 09 Sep 2019 14:41

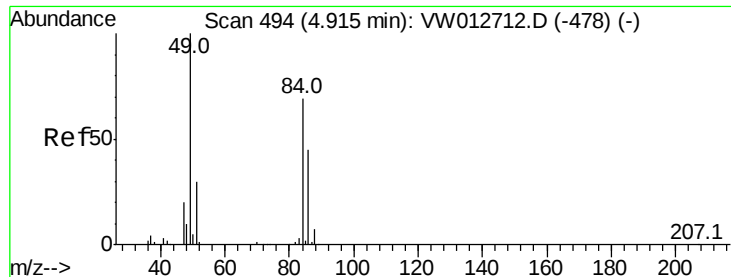
Tgt Ion: 43 Resp: 1900

Ion Ratio Lower Upper

43 100

74 5.6 15.8 23.6#

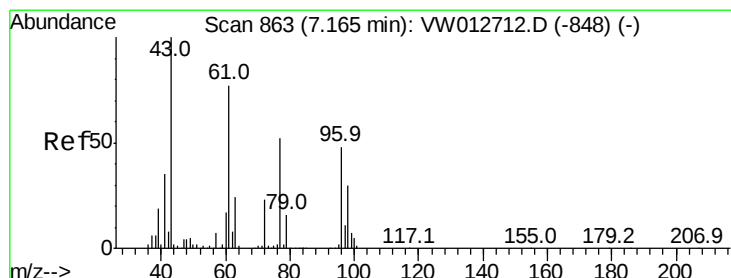
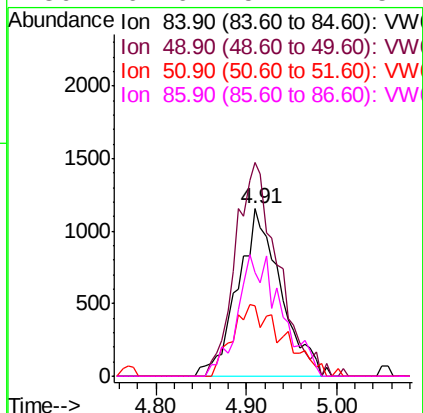
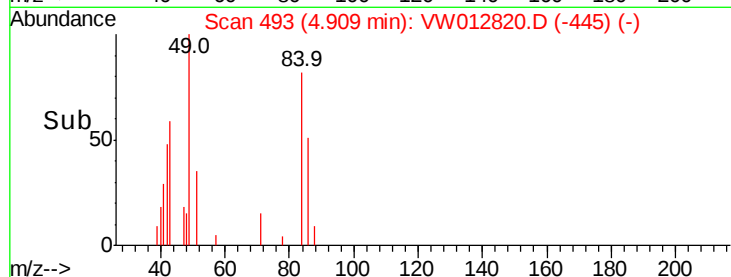
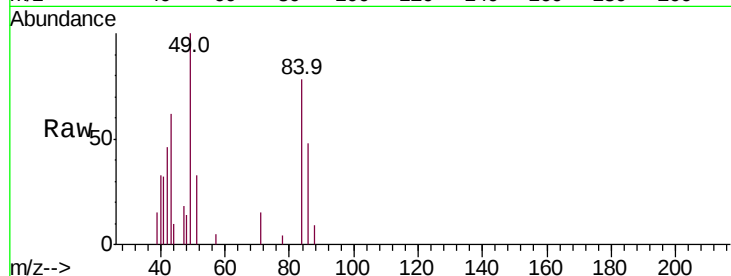




#20
Methvlene Chloride
Concen: 1.706 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

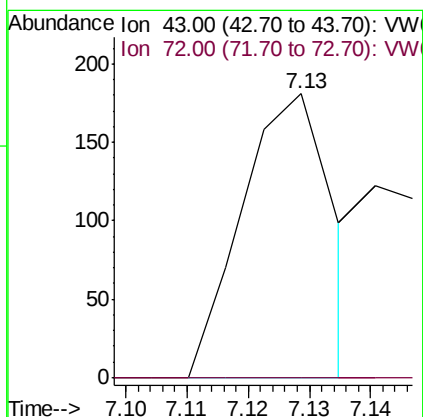
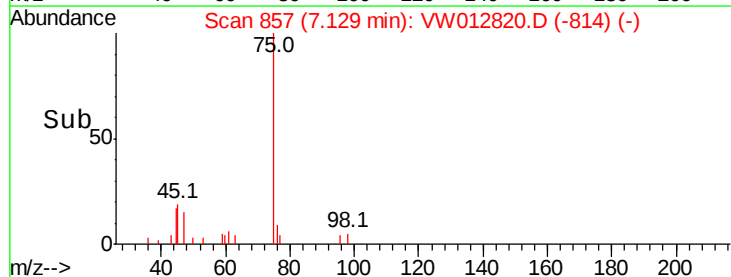
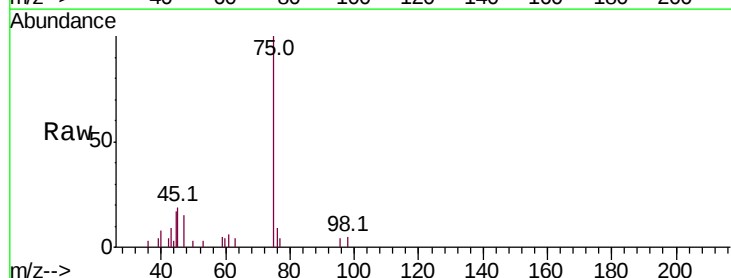
Instrument :
MSVOA_W
ClientSampleId :

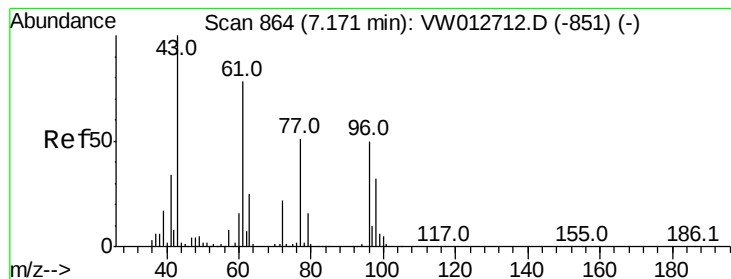
Tot Ion: 84 Resp: 3826
Ion Ratio Lower Upper
84 100
49 127.5 115.4 173.0
51 42.4 34.9 52.3
86 61.6 52.2 78.4



#25
2-Butanone
Concen: 19.843 ug/l
RT: 7.13 min Scan# 857
Delta R.T. -0.04 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#



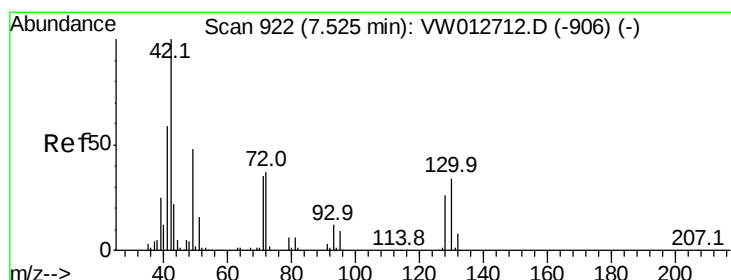
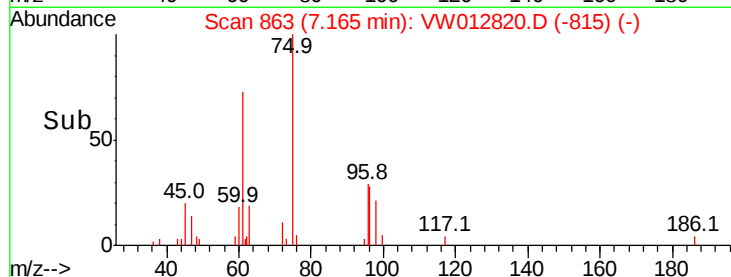
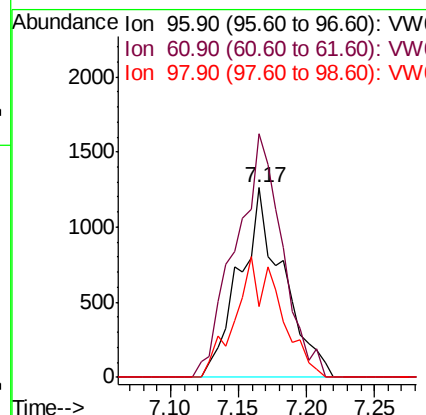
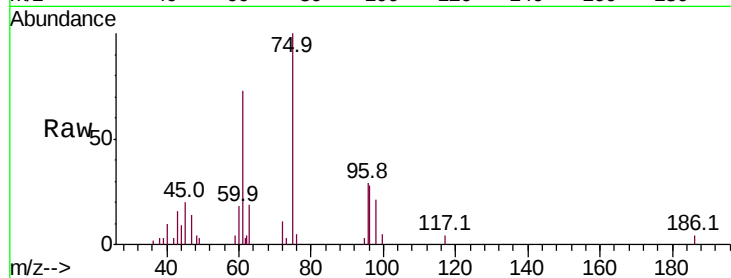


#27

cis-1,2-Dichloroethene
 Concen: 1.229 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012820.D
 Acq: 09 Sep 2019 14:41

Instrument :
 MSVOA_W
 ClientSampled :

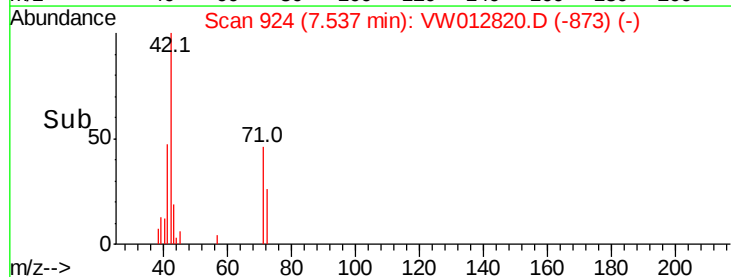
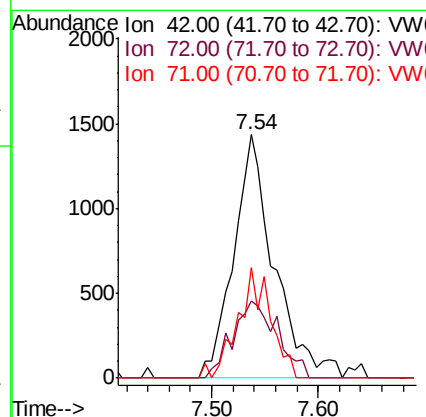
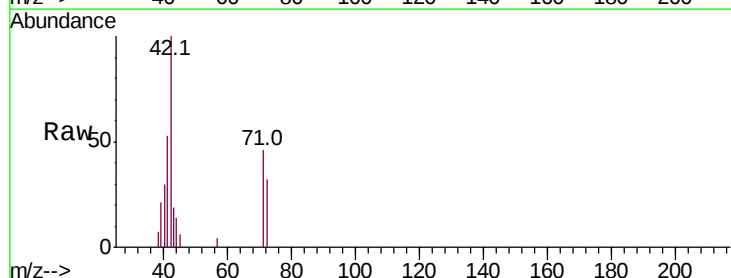
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	325.8
98	65.7	0.0	127.0

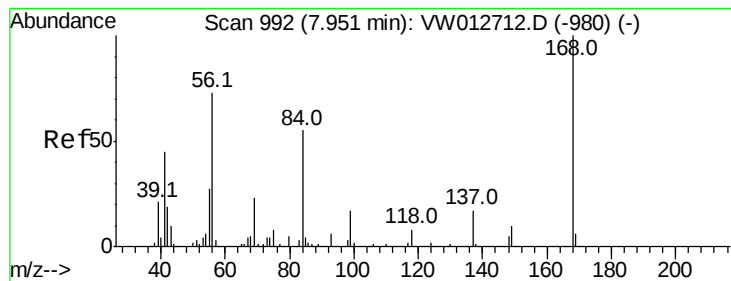


#29

Tetrahydrofuran
 Concen: 6.604 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW012820.D
 Acq: 09 Sep 2019 14:41

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.3	28.4	42.6
71	36.8	27.1	40.7





#31

Cyclohexane

Concen: 1.525 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012820.D

Acq: 09 Sep 2019 14:41

Instrument :
MSVOA_W
ClientSampled :

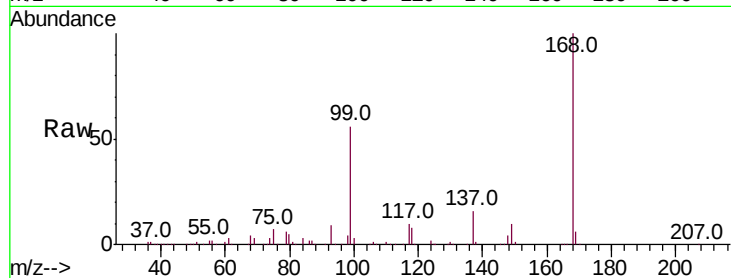
Tot Ion: 56 Resp: 5894

Ion Ratio Lower Upper

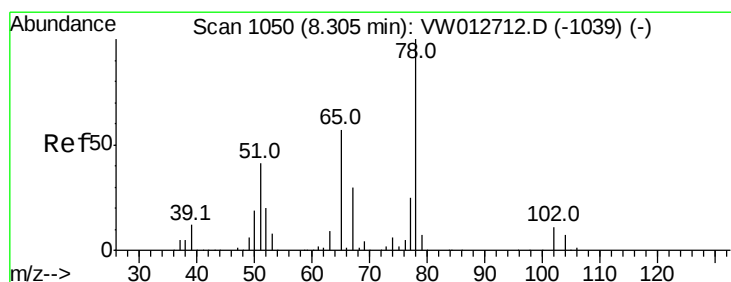
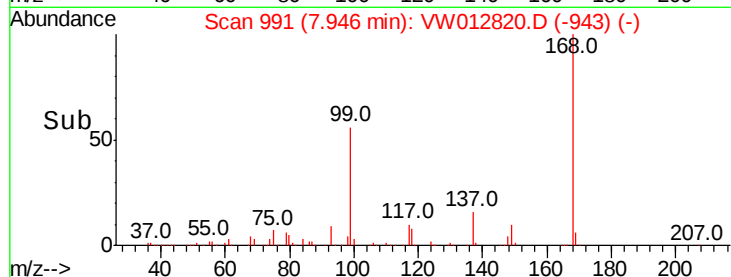
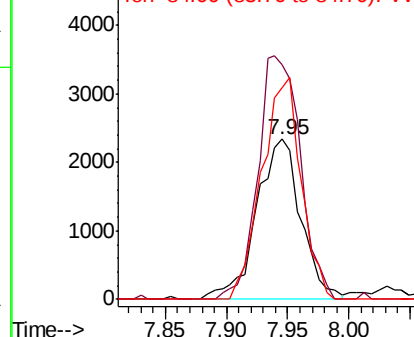
56 100

69 146.1 25.7 38.5#

84 131.9 60.4 90.6#



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



#33

1,2-Dichloroethane-d4

Concen: 46.886 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012820.D

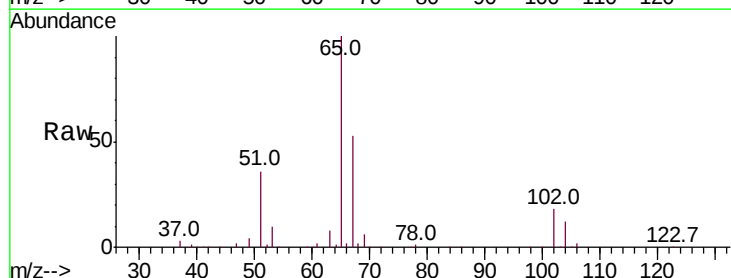
Acq: 09 Sep 2019 14:41

Tgt Ion: 65 Resp: 123283

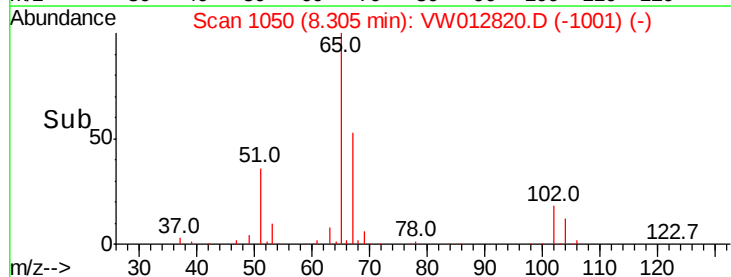
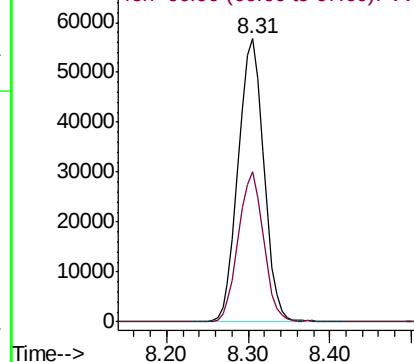
Ion Ratio Lower Upper

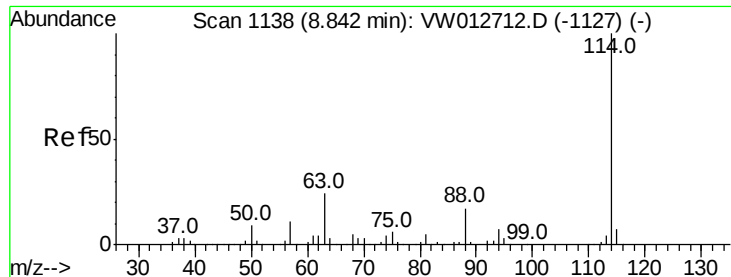
65 100

67 51.9 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

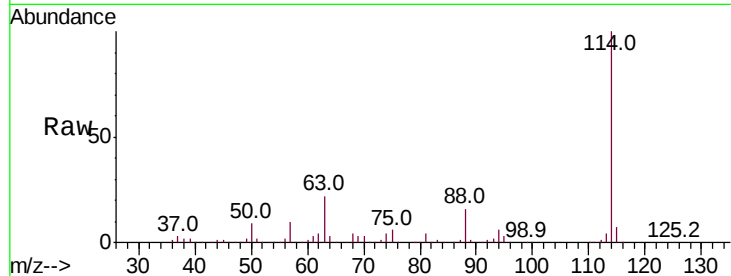




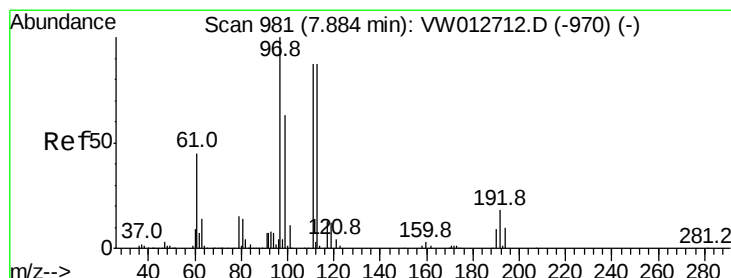
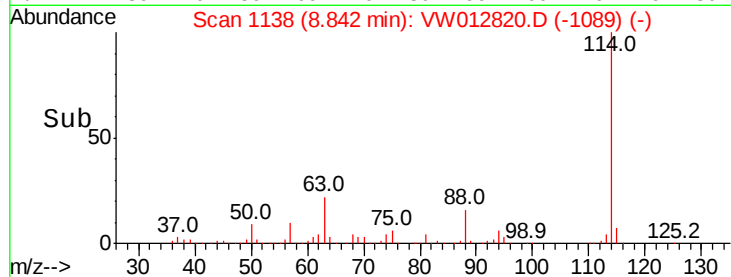
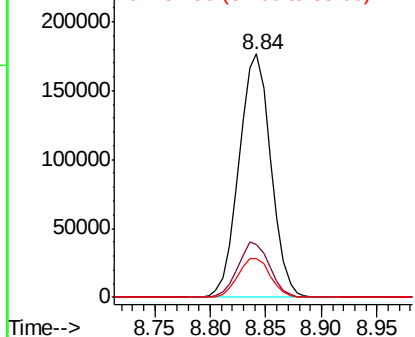
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 351472
Ion Ratio Lower Upper
114 100
63 21.8 0.0 47.2
88 15.9 0.0 34.0

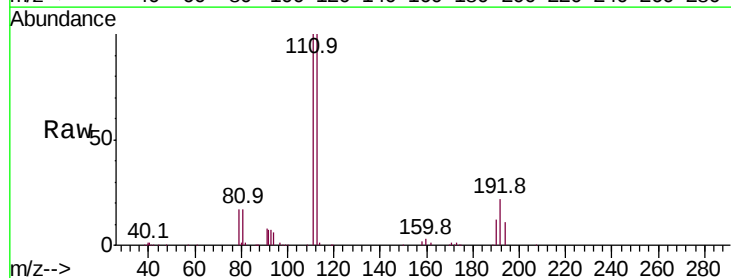


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

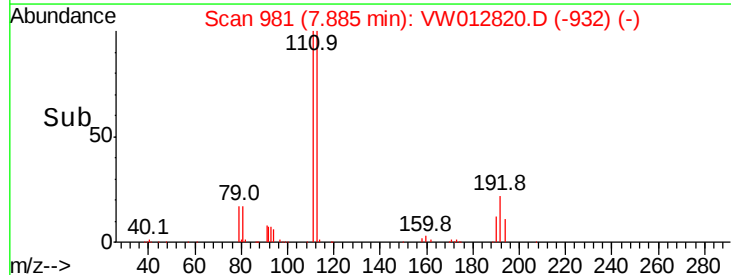
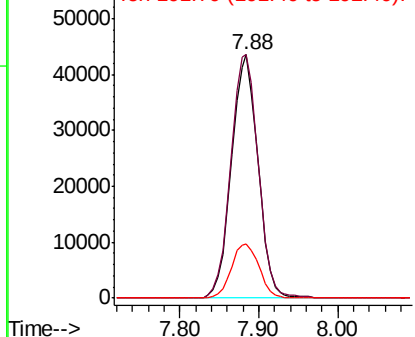


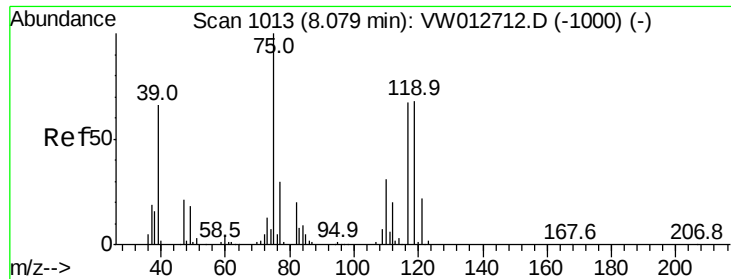
#35
Dibromofluoromethane
Concen: 48.706 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Tgt Ion:113 Resp: 101777
Ion Ratio Lower Upper
113 100
111 103.3 80.2 120.4
192 23.1 17.3 25.9



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

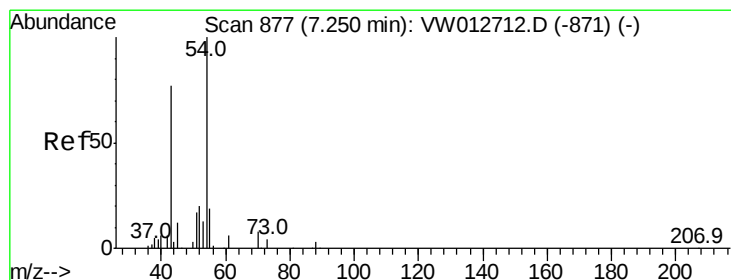
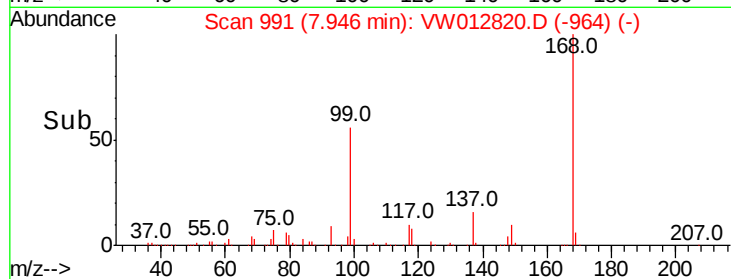
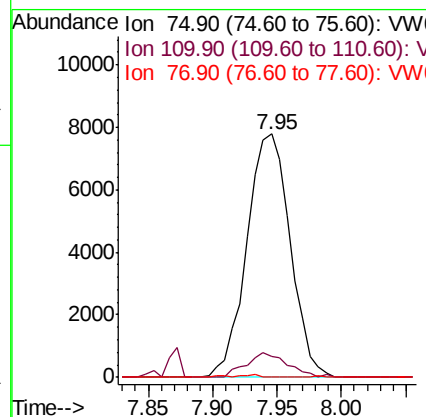
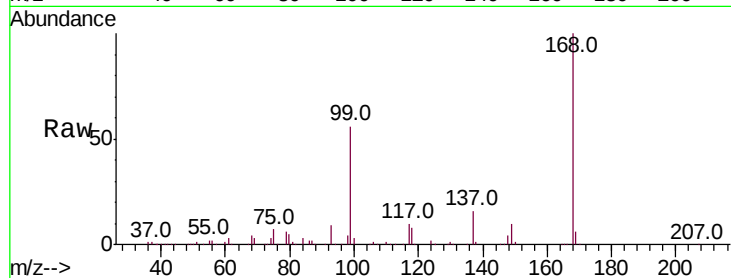




#36
 1,1-Dichloropropene
 Concen: 5.800 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012820.D
 Acq: 09 Sep 2019 14:41

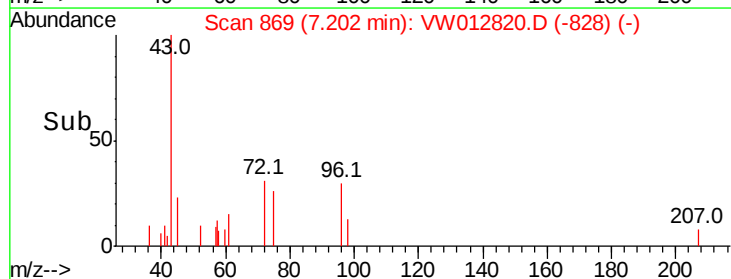
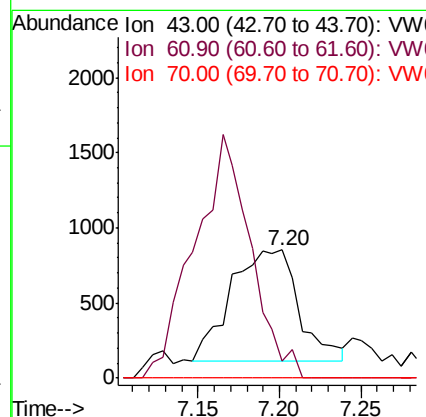
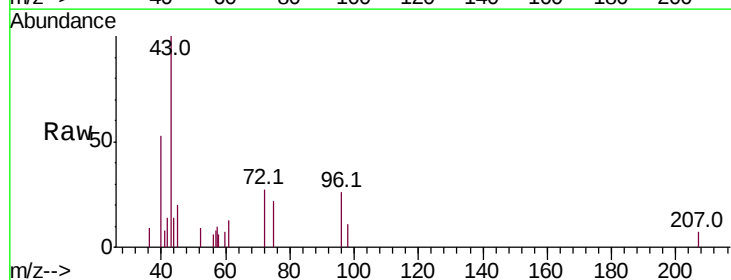
Instrument :
 MSVOA_W
 ClientSampleId :

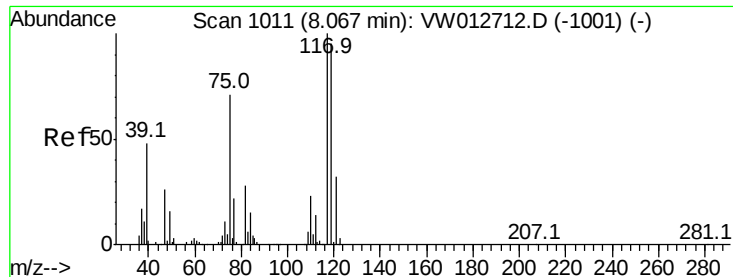
Tot Ion: 75 Resp: 18114
 Ion Ratio Lower Upper
 75 100
 110 9.8 15.9 47.7#
 77 0.4 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.074 ug/l
 RT: 7.20 min Scan# 869
 Delta R.T. -0.05 min
 Lab File: VW012820.D
 Acq: 09 Sep 2019 14:41

Tgt Ion: 43 Resp: 2138
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.5 14.3#
 70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 7.123 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012820.D

Acq: 09 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampled :

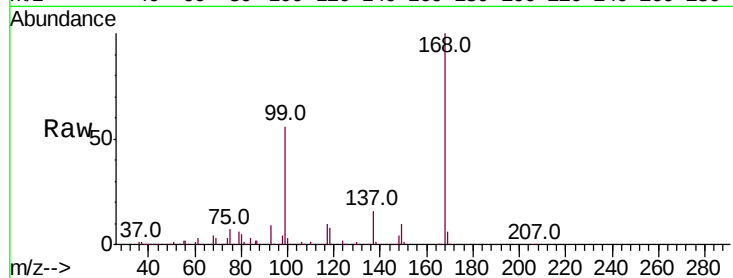
Tot Ion:117 Resp: 21927

Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.2#

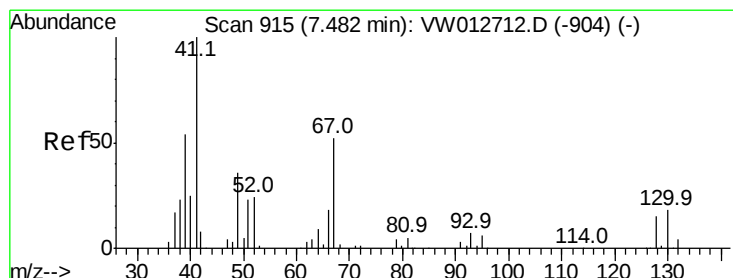
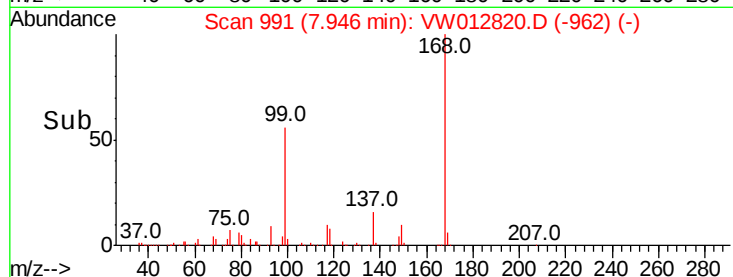
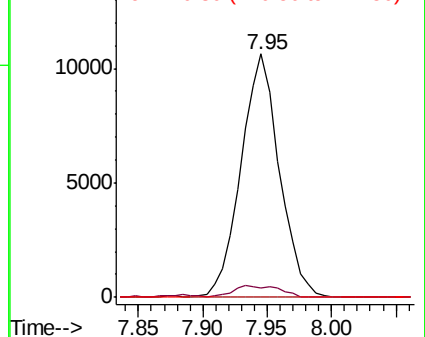
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 5.573 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.06 min

Lab File: VW012820.D

Acq: 09 Sep 2019 14:41

Tgt Ion: 41 Resp: 2542

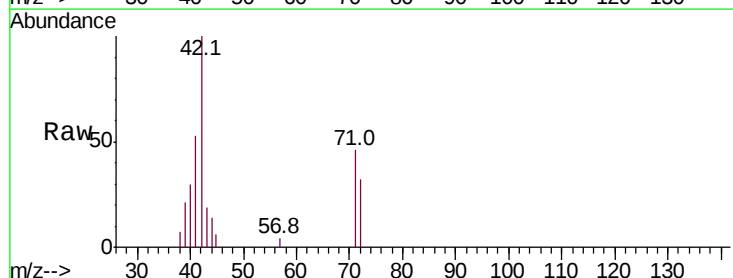
Ion Ratio Lower Upper

41 100

39 40.0 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

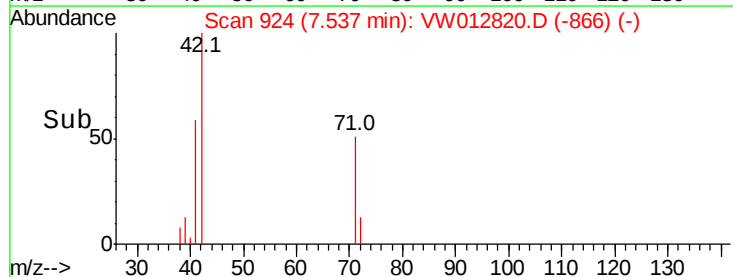
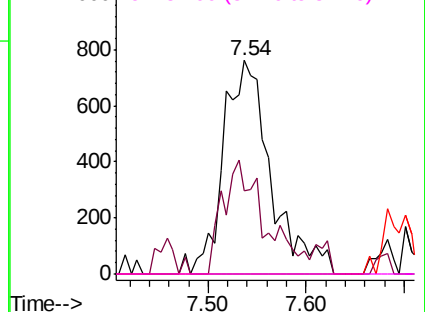


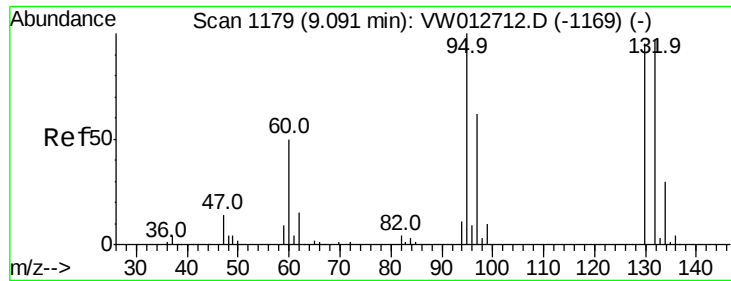
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#44

Trichloroethene

Concen: 1.972 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012820.D

Acq: 09 Sep 2019 14:41

Instrument :

MSVOA_W

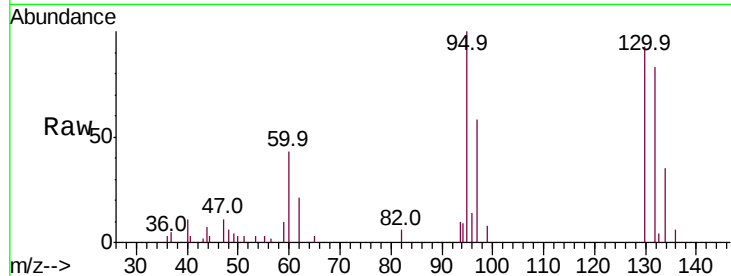
ClientSampled :

Tot Ion:130 Resp: 4405

Ion Ratio Lower Upper

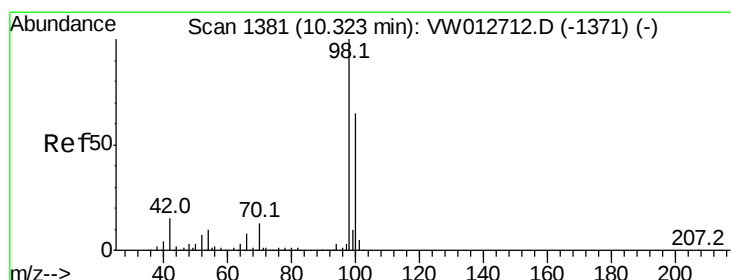
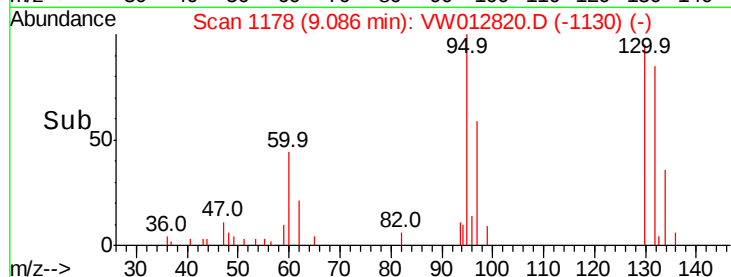
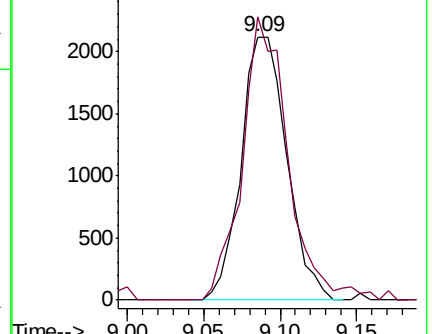
130 100

95 107.6 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 50.877 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012820.D

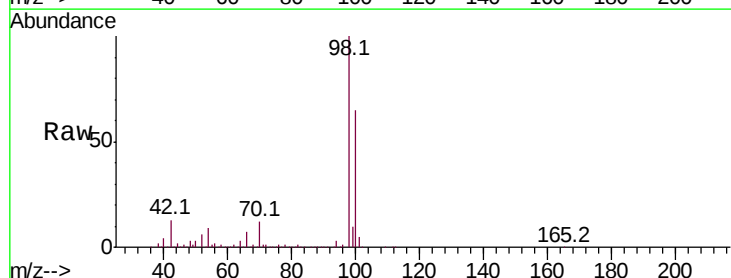
Acq: 09 Sep 2019 14:41

Tgt Ion: 98 Resp: 416505

Ion Ratio Lower Upper

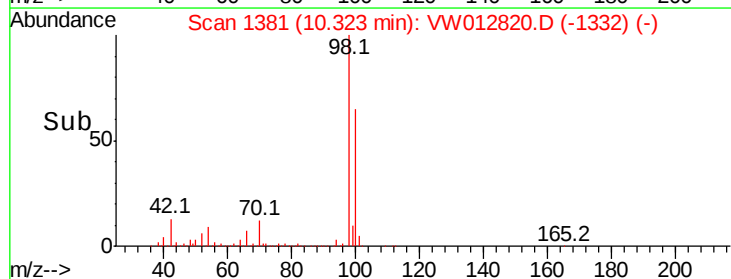
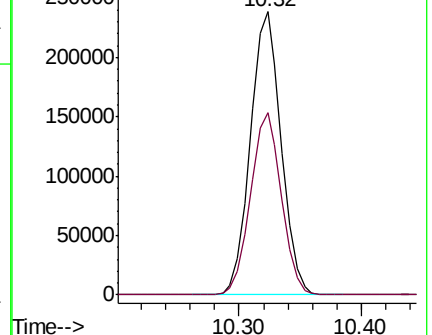
98 100

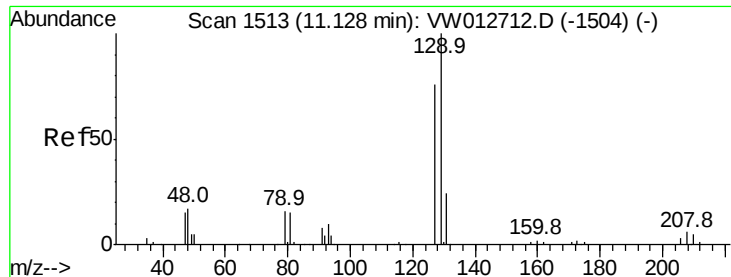
100 64.6 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

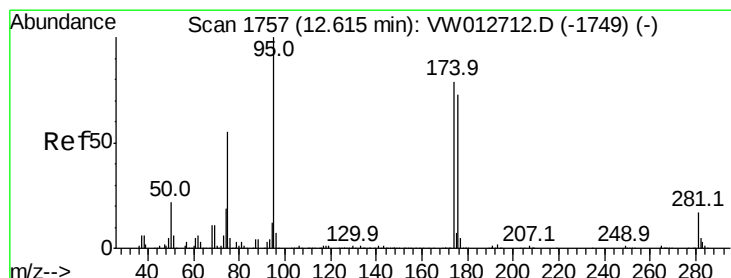
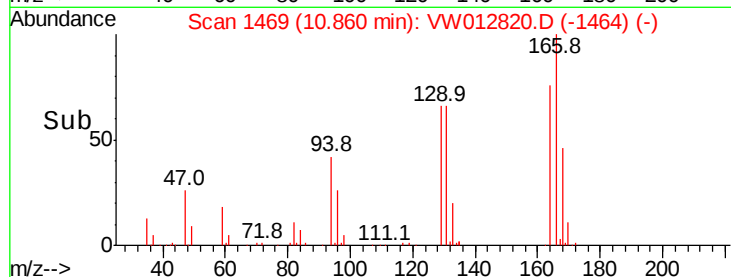
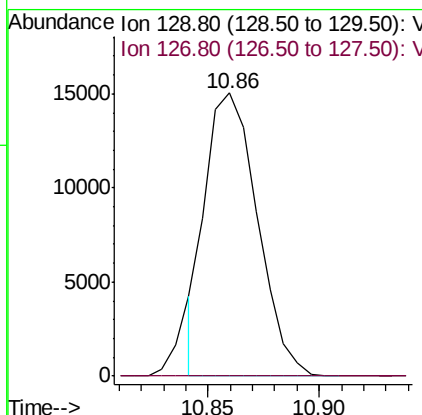
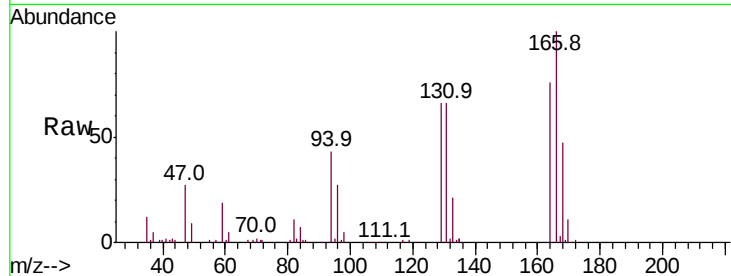




#60
Dibromochloromethane
Concen: 12.180 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

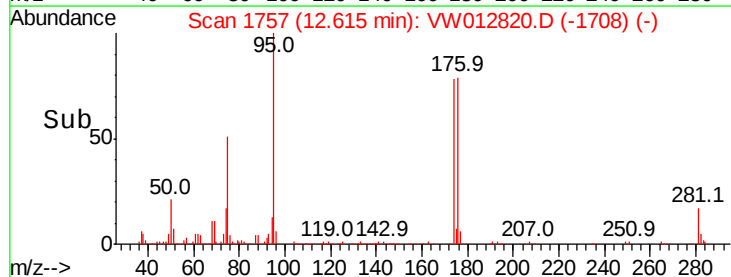
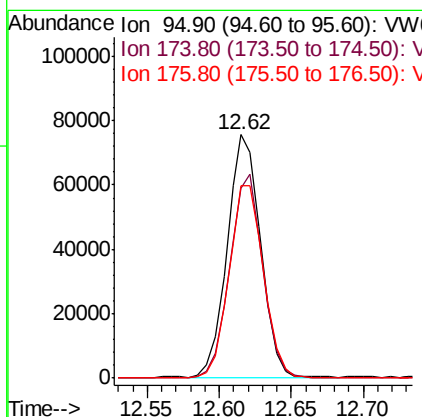
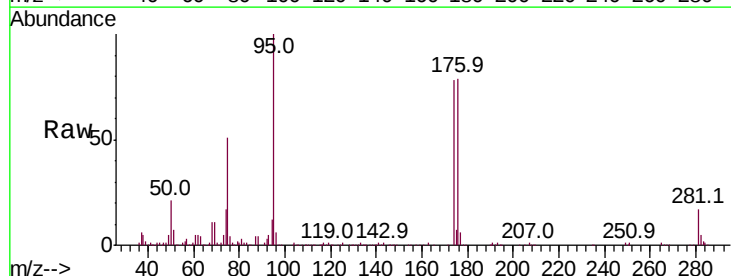
Instrument :
MSVOA_W
ClientSampleId :

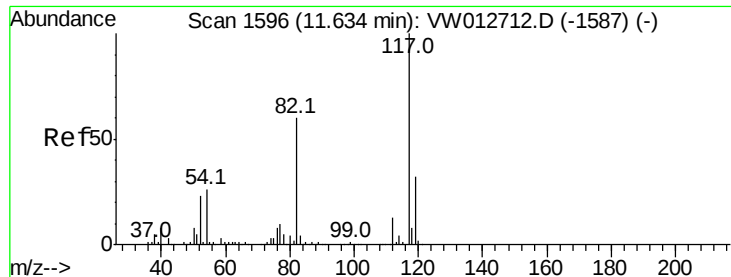
Tot Ion:129 Resp: 24405
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 41.062 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Tgt Ion: 95 Resp: 122035
Ion Ratio Lower Upper
95 100
174 83.1 0.0 161.0
176 81.9 0.0 156.4

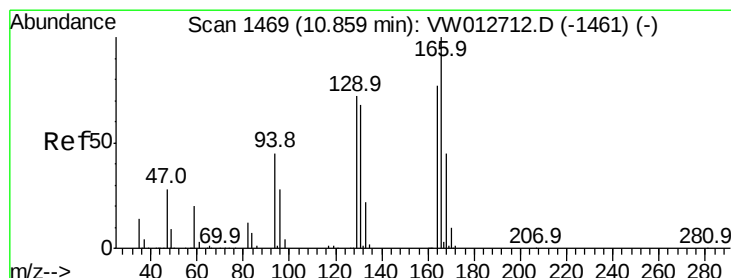
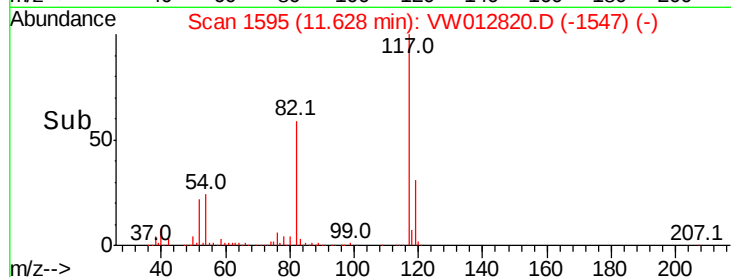
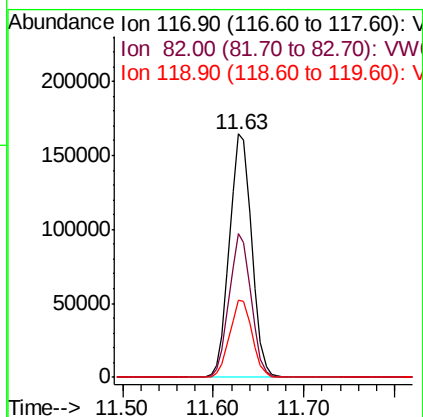
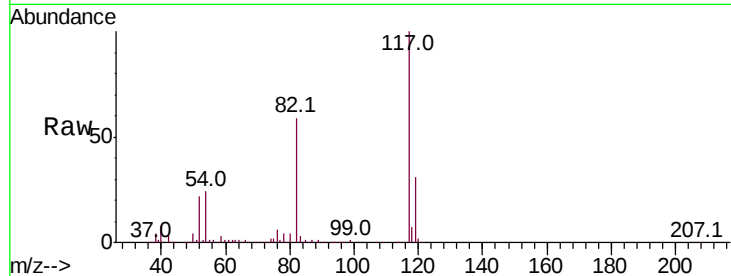




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

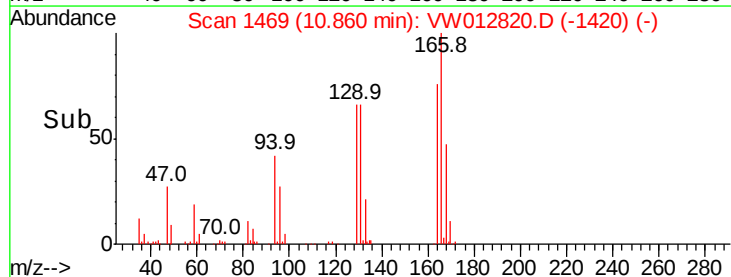
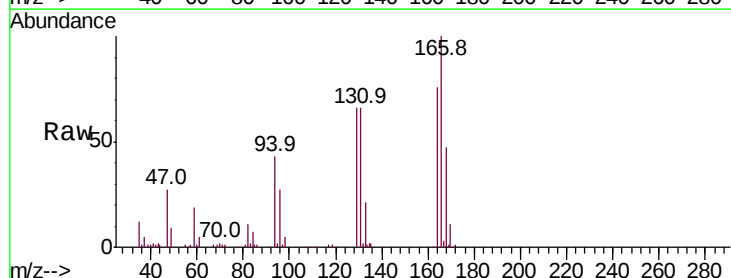
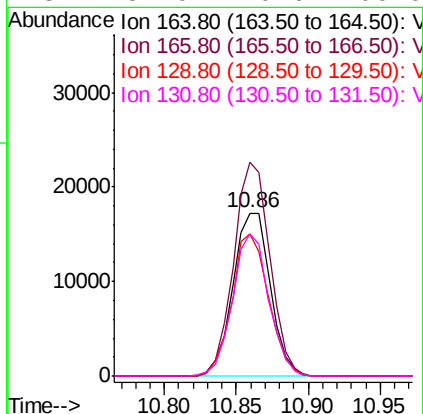
Instrument :
MSVOA_W
ClientSampleId :

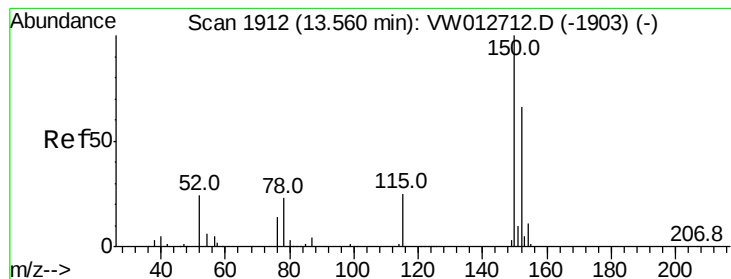
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.2	72.4
119	31.5	25.8	38.6



#64
Tetrachloroethene
Concen: 18.273 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	103.6	155.4
129	87.1	74.6	112.0
131	87.0	70.6	106.0



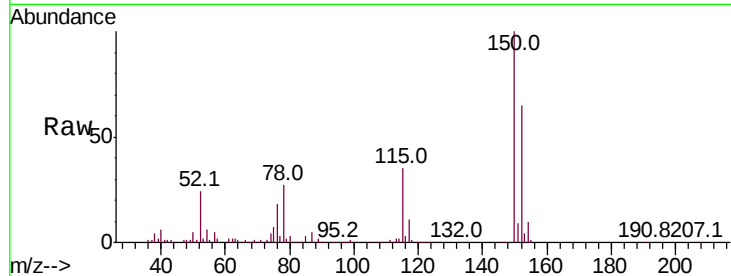


#72

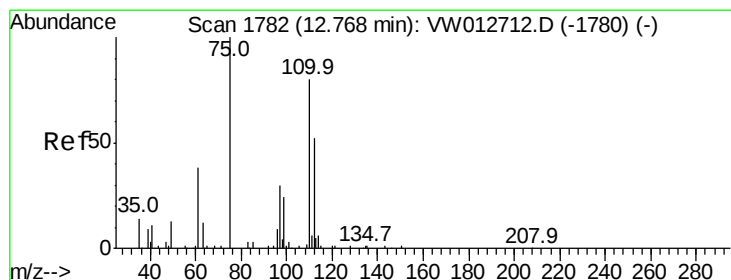
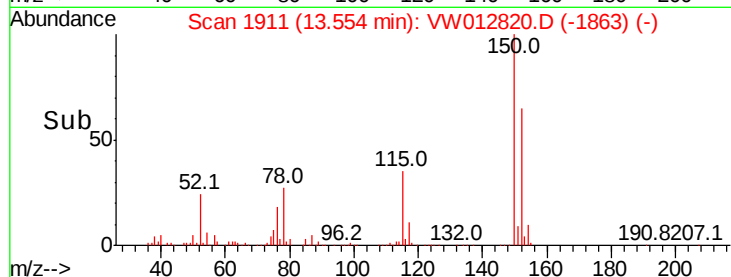
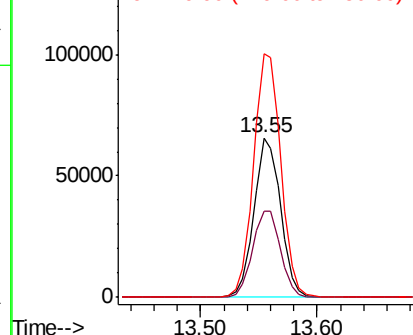
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 104705
Ion Ratio Lower Upper
152 100
115 56.7 30.0 90.1
150 156.2 0.0 349.0



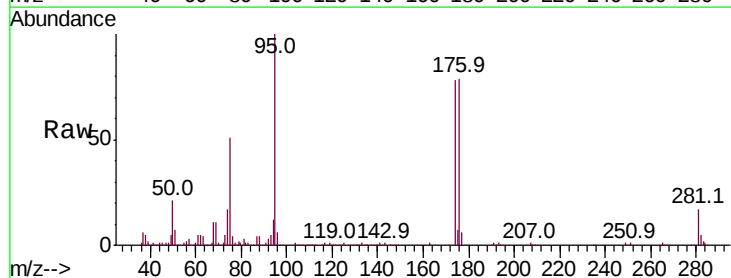
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



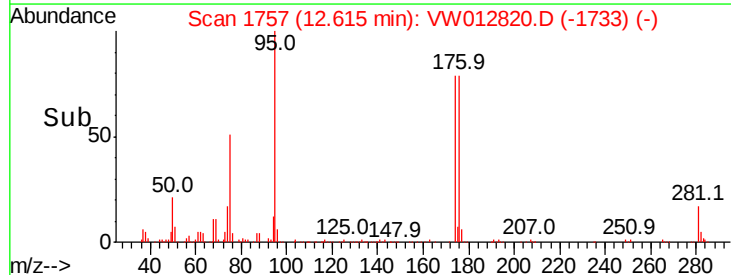
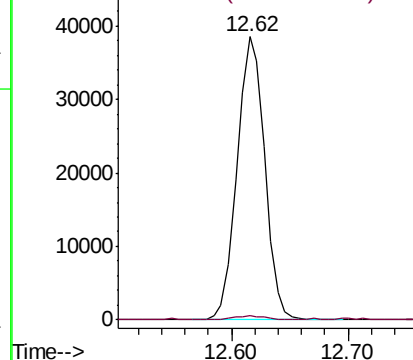
#76

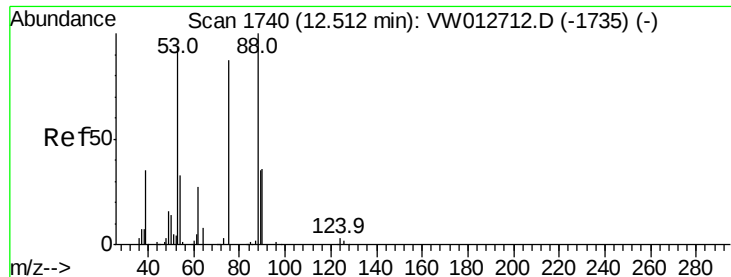
1,2,3-Trichloropropane
Concen: 59.435 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Tgt Ion: 75 Resp: 63634
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



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

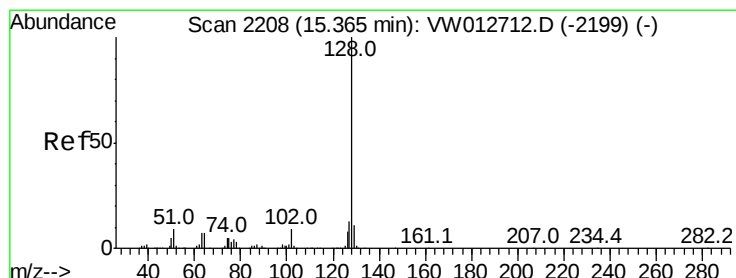
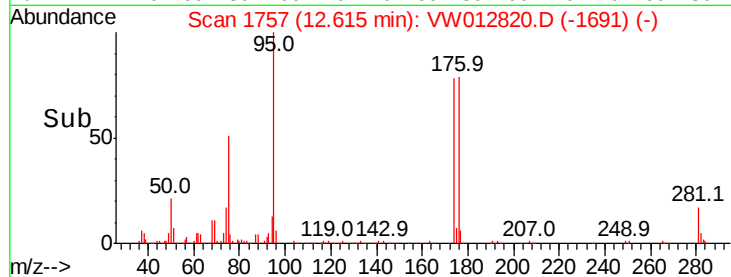
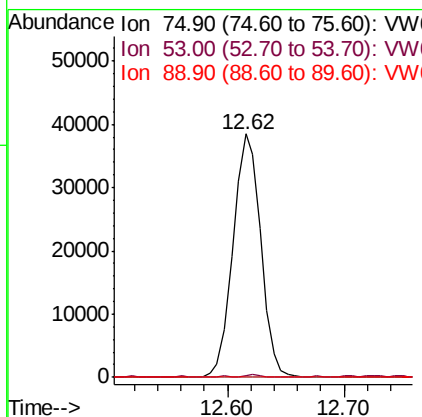
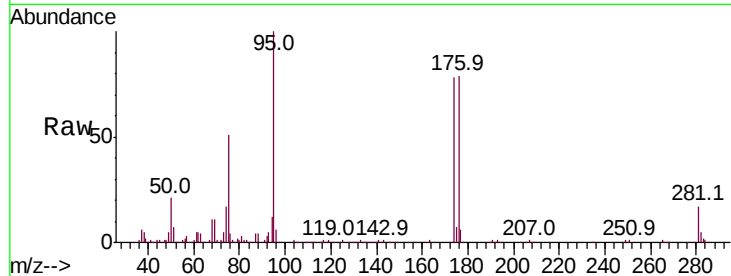




#81
trans-1,4-Dichloro-2-butene
Concen: 125.708 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 63634
Ion Ratio Lower Upper
75 100
53 0.4 87.6 131.4#
89 0.3 35.5 53.3#



#95
Naphthalene
Concen: 4.673 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012820.D
Acq: 09 Sep 2019 14:41

Tgt Ion: 128 Resp: 1127
Ion Ratio Lower Upper
128 100
127 51.6 10.7 16.1#
129 5.6 8.7 13.1#

