

Data File : VW012969.D
Acq On : 13 Sep 2019 22:42
Operator : SY/VA
Sample : K4719-07
Misc : 5.76G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-3-(1.5)-BRUCKNER

Quant Time: Sep 14 04:24:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	332427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	235402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66924	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120874	58.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.00%	
35) Dibromofluoromethane	7.88	113	100491	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	
50) Toluene-d8	10.32	98	374728	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.62	95	90422	35.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.26%	

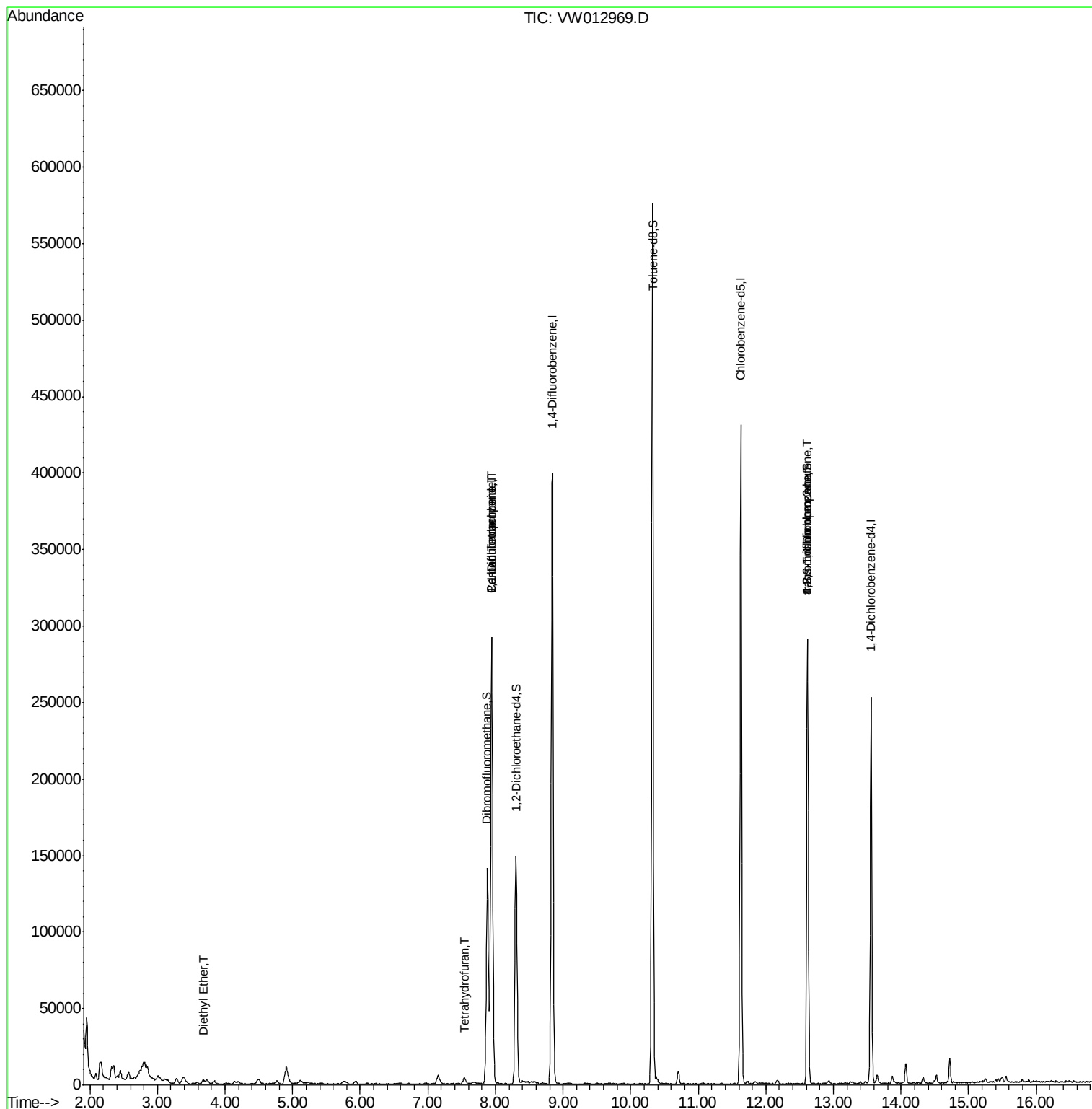
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	27	Below Cal	#	44
3) Chloromethane	2.21	50	255	Below Cal	#	56
8) Diethyl Ether	3.68	74	1462	1.658	ug/l	82
11) Tert butyl alcohol	5.20	59	461	Below Cal	#	92
13) Acrolein	3.82	56	46	Below Cal	#	1
16) Acetone	4.14	43	1720	Below Cal		96
20) Methylene Chloride	4.90	84	7666	Below Cal		97
26) 2,2-Dichloropropane	7.15	77	425	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	3292	8.718	ug/l #	84
31) Cyclohexane	7.94	56	4855	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	16924	6.371	ug/l #	51
38) Carbon Tetrachloride	7.94	117	21245	7.804	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	47425	80.902	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	47425	183.525	ug/l #	7

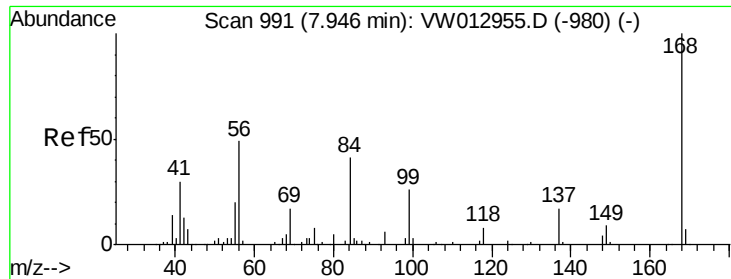
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012969.D

Acq: 13 Sep 2019 22:42

Instrument :

MSVOA_W

ClientSampleId :

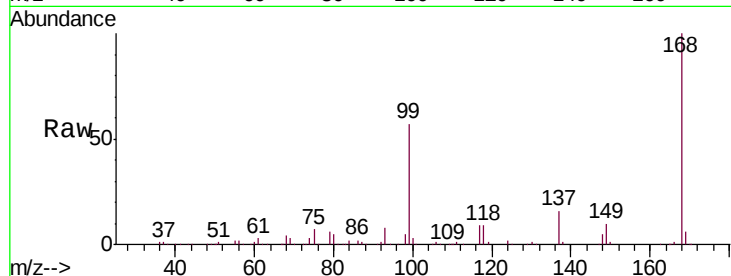
T4-3-(1.5)-BRUCKNER

Tgt Ion:168 Resp: 225669

Ion Ratio Lower Upper

168 100

99 57.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

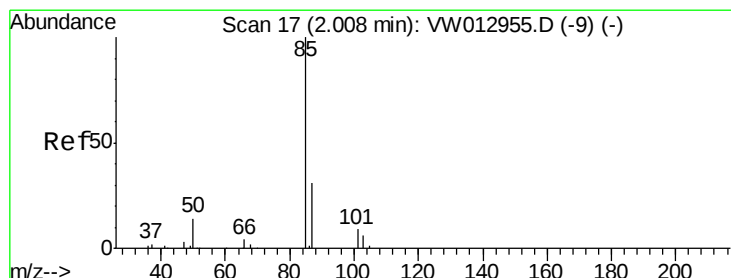
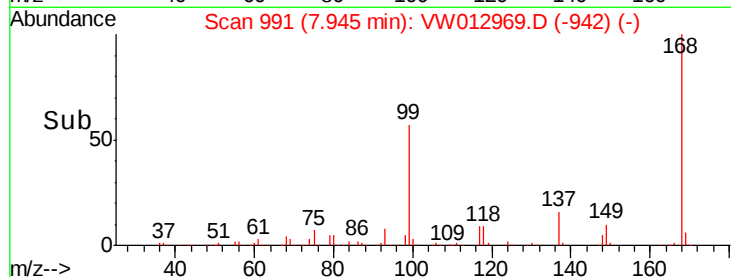
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012969.D

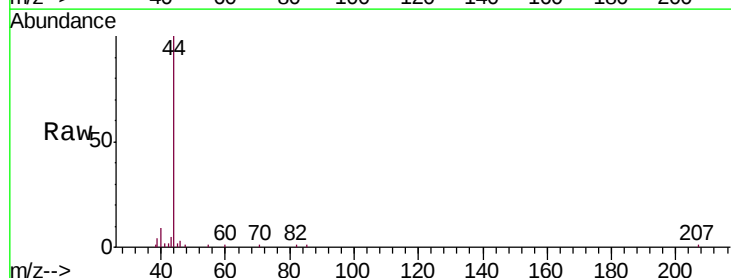
Acq: 13 Sep 2019 22:42

Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100

80

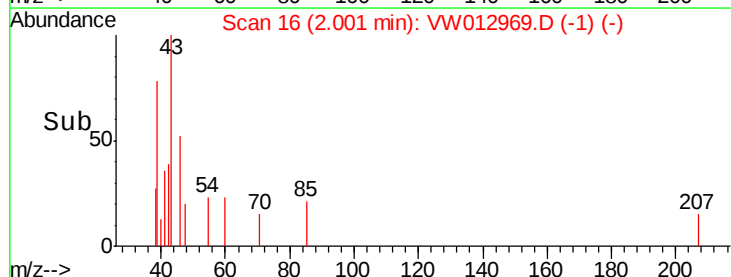
60

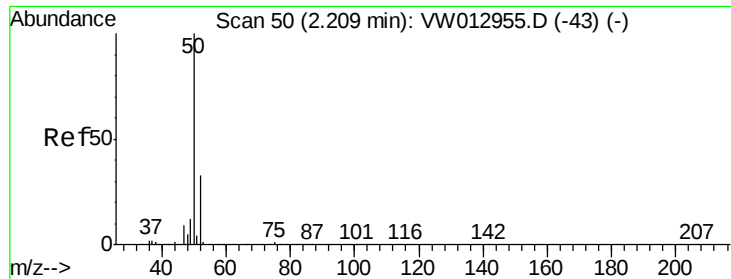
40

20

0

Time--> 1.99 2.00 2.01





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012969.D

Acq: 13 Sep 2019 22:42

Instrument :

MSVOA_W

ClientSampleId :

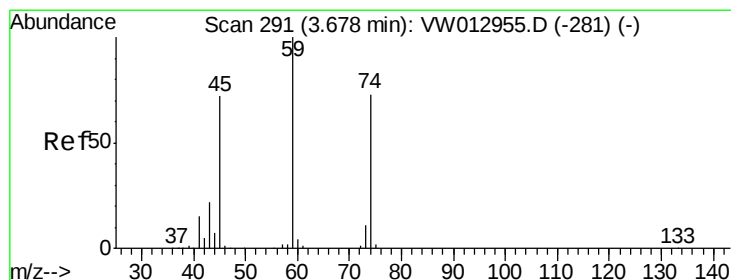
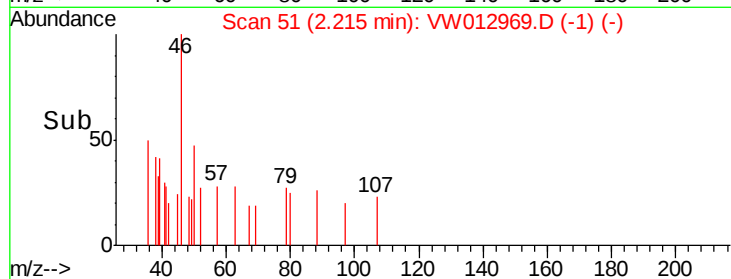
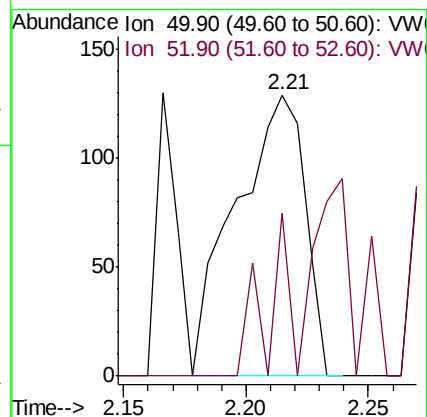
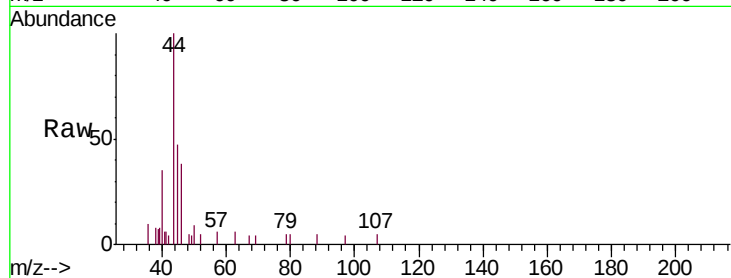
T4-3-(1.5)-BRUCKNER

Tgt Ion: 50 Resp: 255

Ion Ratio Lower Upper

50 100

52 58.1 26.6 39.8#



#8

Diethyl Ether

Concen: 1.658 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012969.D

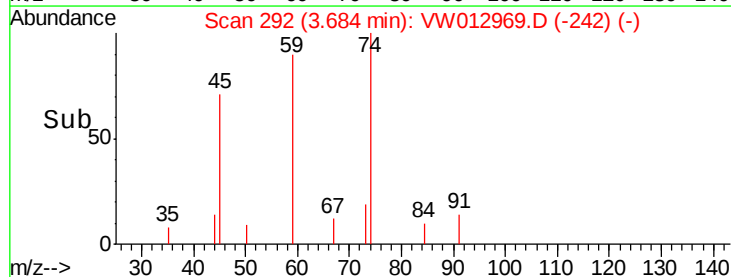
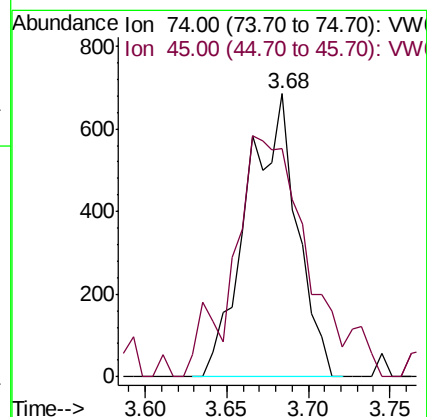
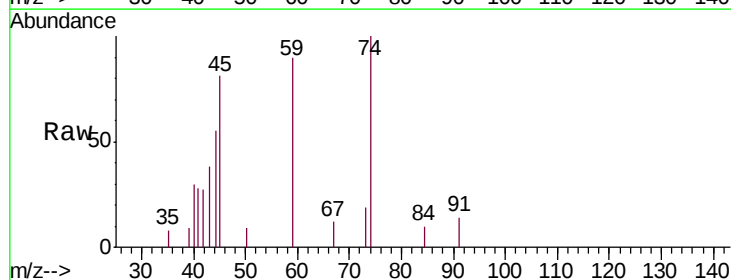
Acq: 13 Sep 2019 22:42

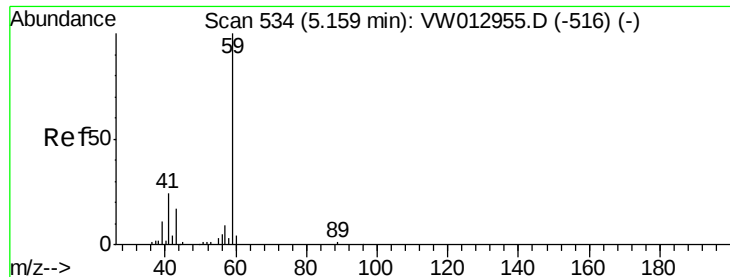
Tgt Ion: 74 Resp: 1462

Ion Ratio Lower Upper

74 100

45 126.9 53.8 161.4



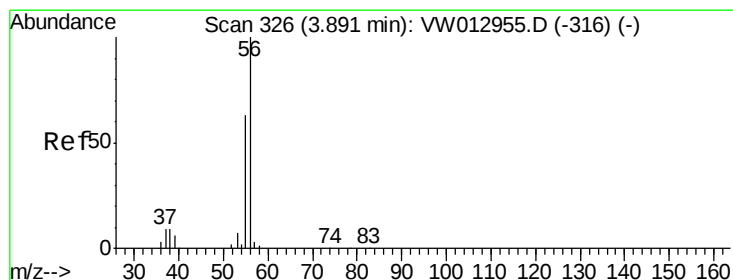
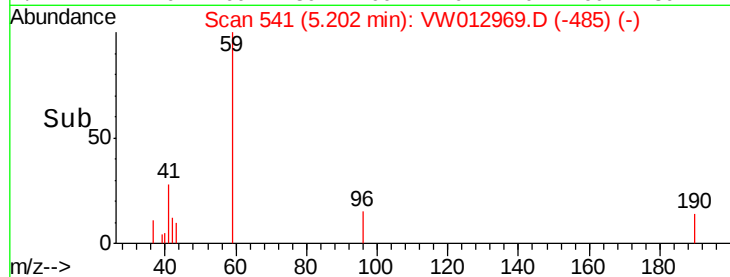
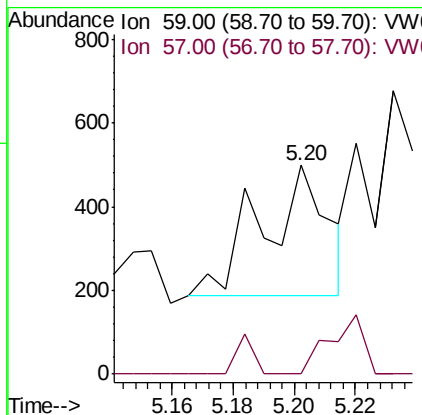
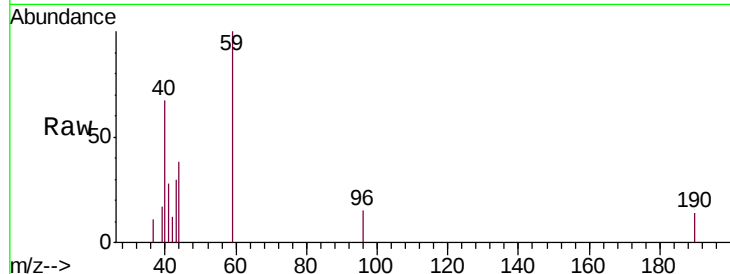


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

Instrument :
MSVOA_W
ClientSampleId :
T4-3-(1.5)-BRUCKNER

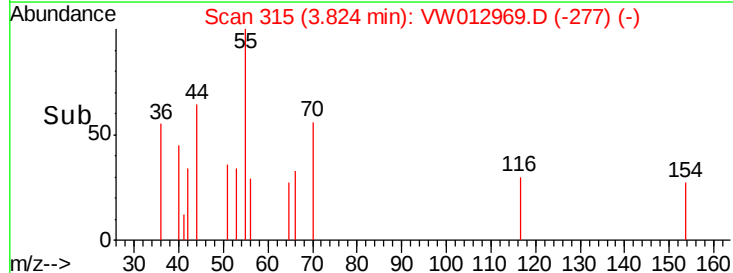
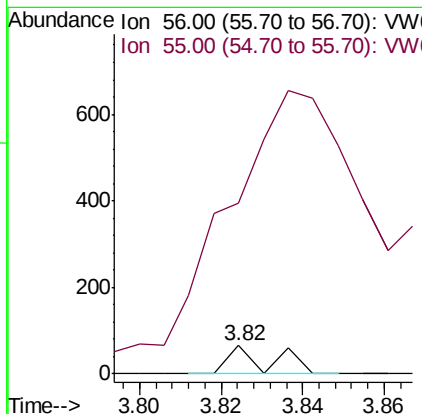
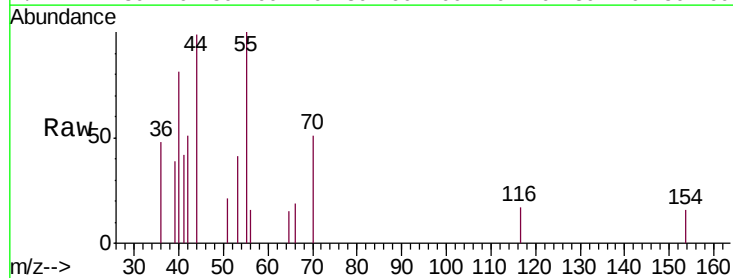
Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 7.6 8.5 12.7#

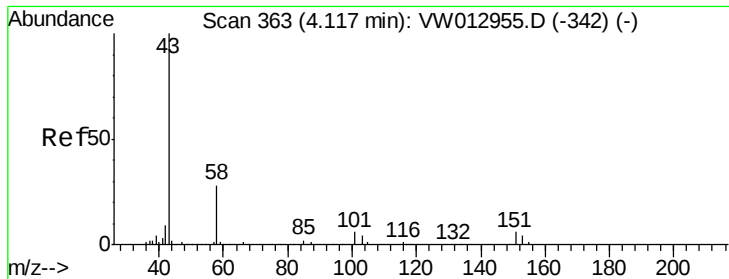


#13

Acrolein
Concen: Below Cal
RT: 3.82 min Scan# 315
Delta R.T. -0.07 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 4456.5 55.8 83.8#

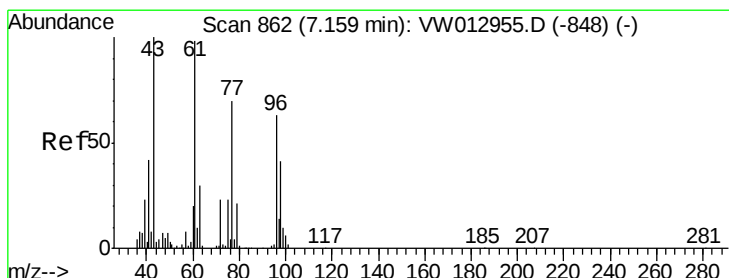
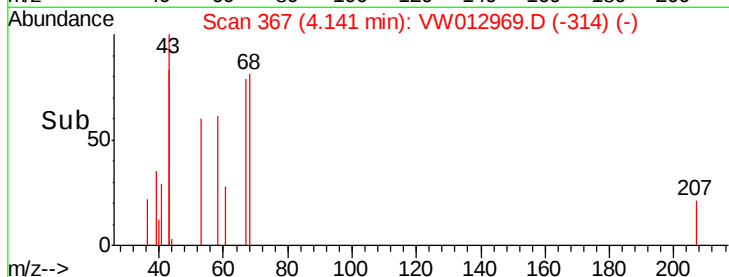
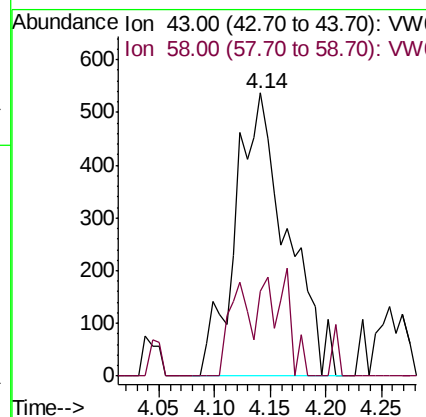
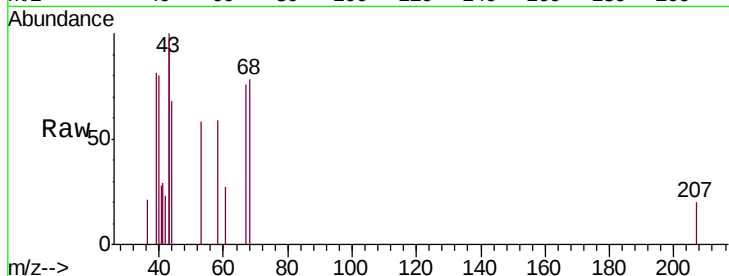




#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 367
Delta R.T. 0.03 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

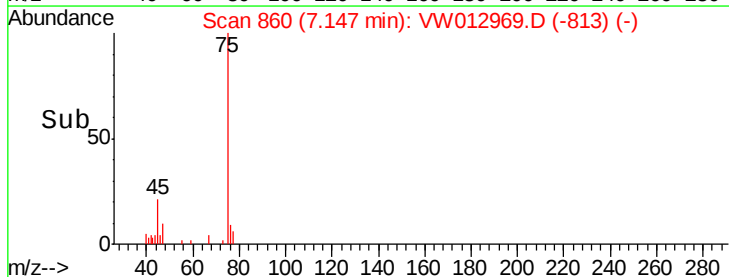
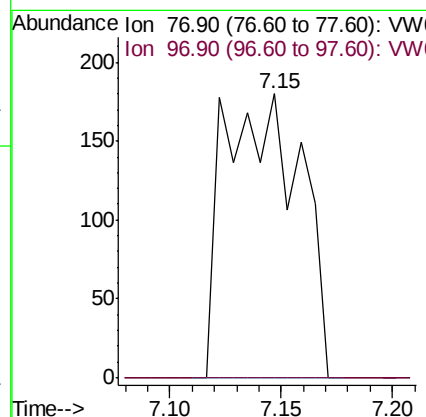
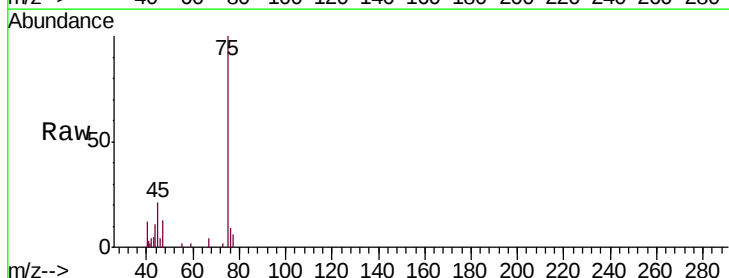
Instrument :
MSVOA_W
ClientSampleId :
T4-3-(1.5)-BRUCKNER

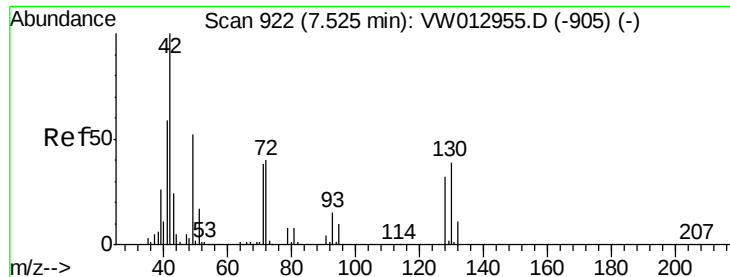
Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
58 29.8 22.3 33.5



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

Tgt Ion: 77 Resp: 425
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#

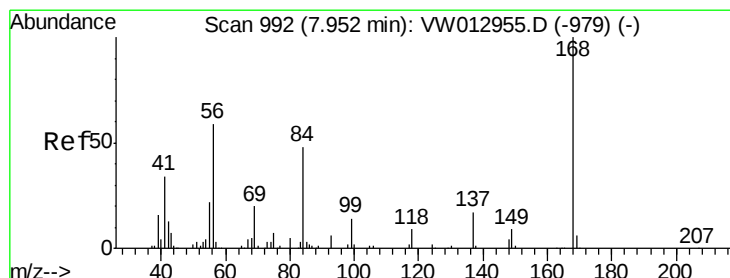
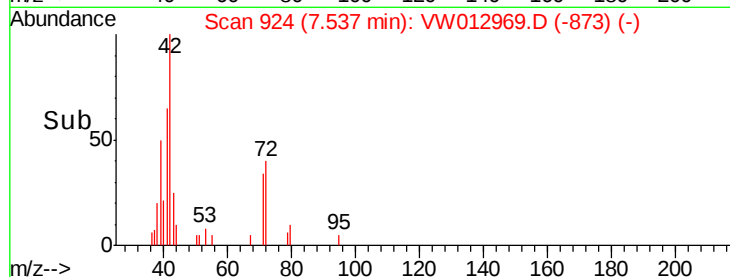
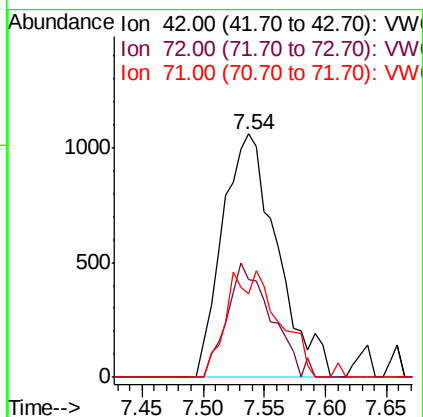
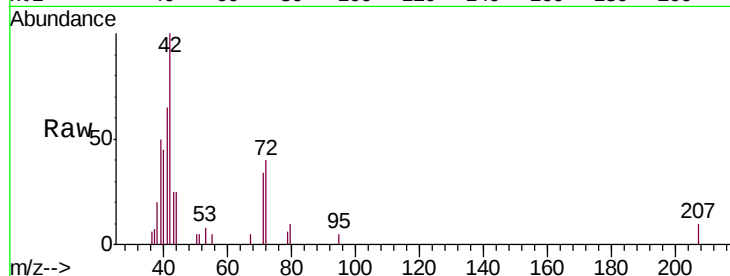




#29
Tetrahydrofuran
Concen: 8.718 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

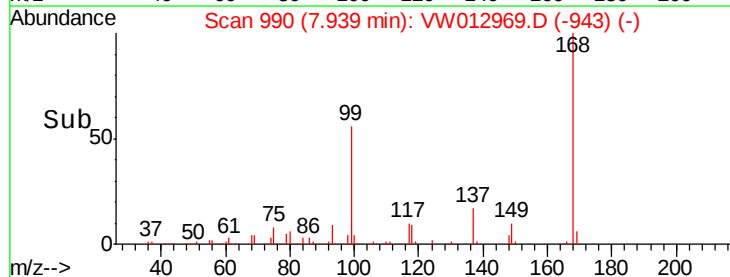
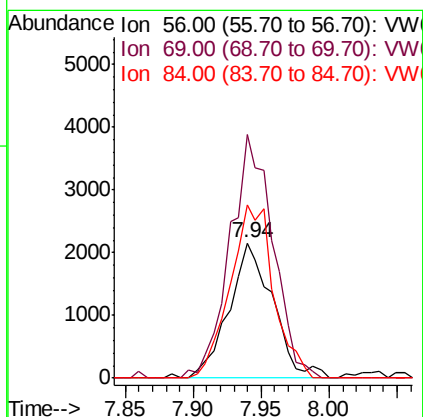
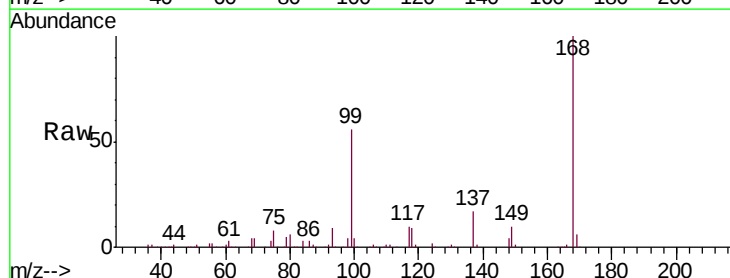
Instrument :
MSVOA_W
ClientSampleId :
T4-3-(1.5)-BRUCKNER

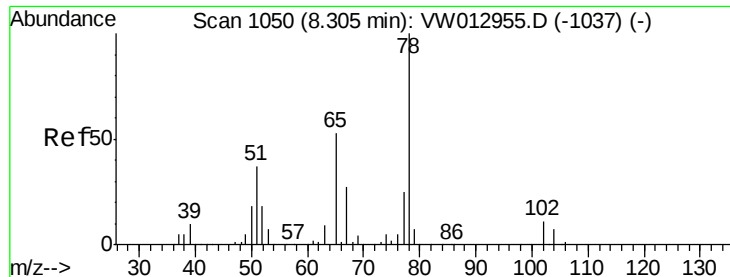
Tgt Ion: 42 Resp: 3292
Ion Ratio Lower Upper
42 100
72 37.7 31.4 47.0
71 19.0 29.8 44.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

Tgt Ion: 56 Resp: 4855
Ion Ratio Lower Upper
56 100
69 180.7 27.0 40.6#
84 128.7 66.2 99.2#

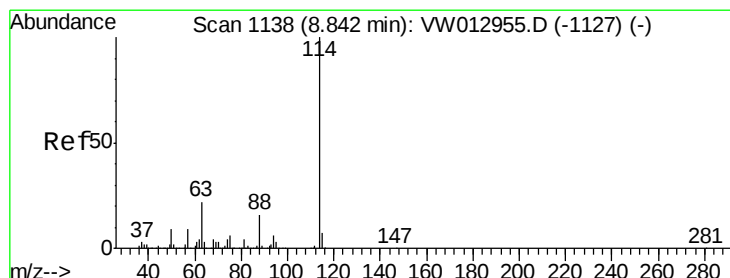
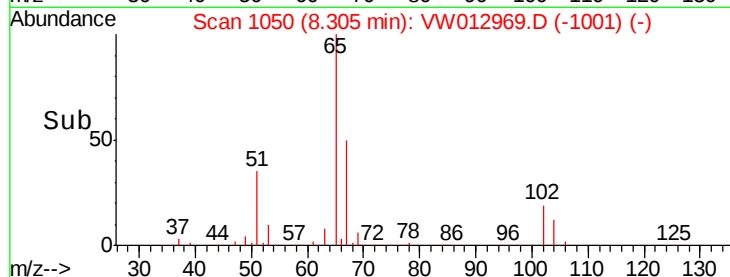
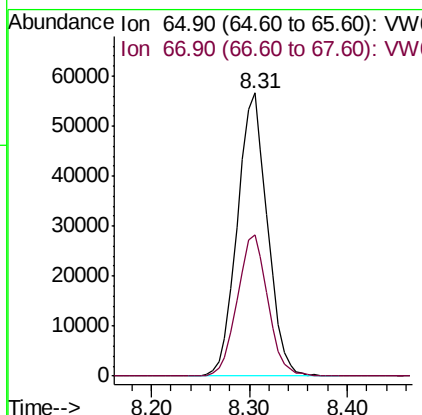
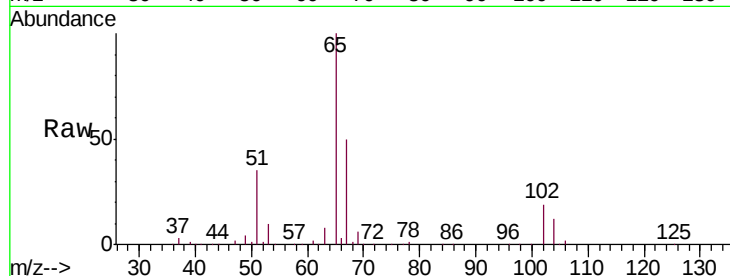




#33
 1,2-Dichloroethane-d4
 Concen: 57.995 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012969.D
 Acq: 13 Sep 2019 22:42

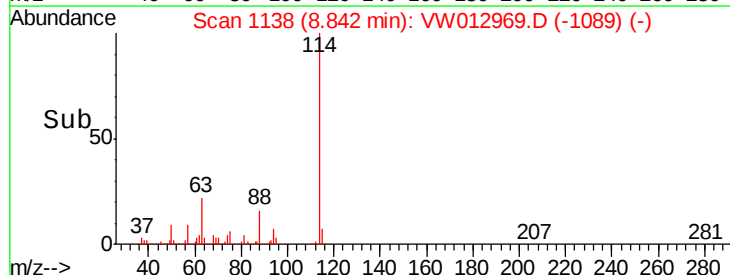
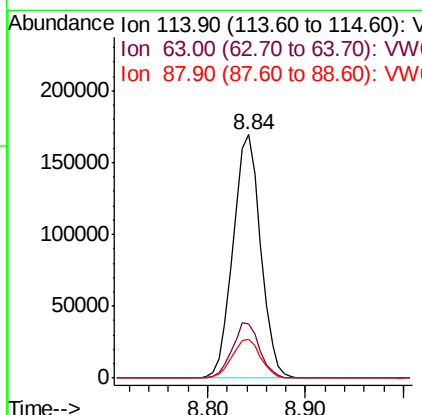
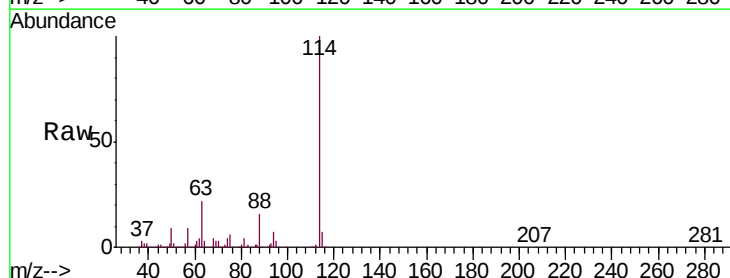
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-3-(1.5)-BRUCKNER

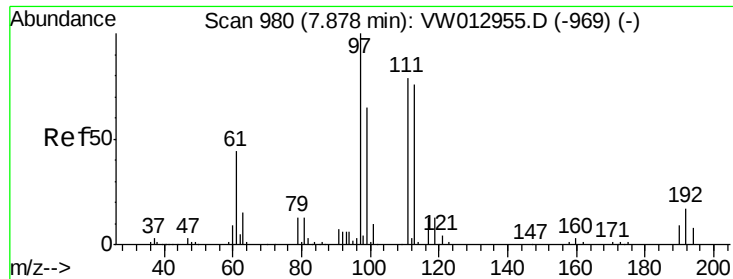
Tgt Ion: 65 Resp: 120874
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012969.D
 Acq: 13 Sep 2019 22:42

Tgt Ion: 114 Resp: 332427
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 55.711 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW012969.D

Acq: 13 Sep 2019 22:42

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(1.5)-BRUCKNER

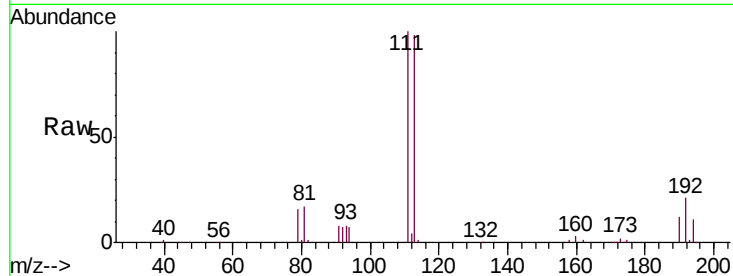
Tgt Ion:113 Resp: 100491

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

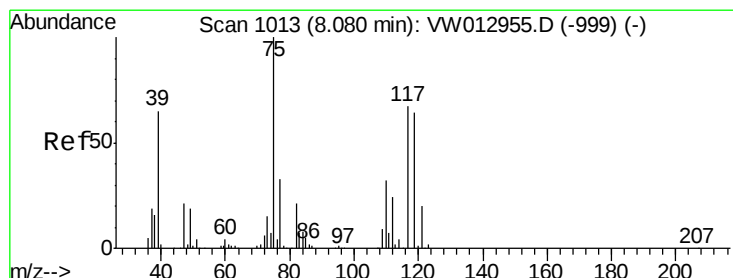
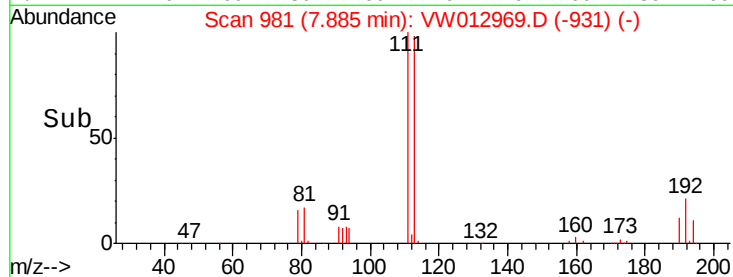
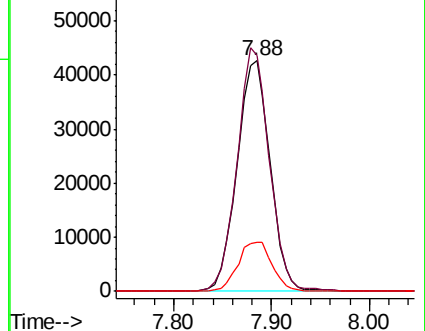
192 22.1 17.8 26.8



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: 6.371 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012969.D

Acq: 13 Sep 2019 22:42

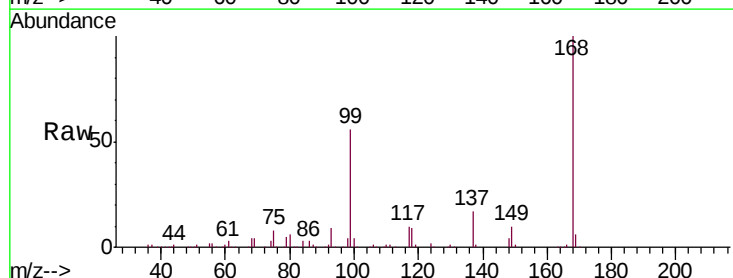
Tgt Ion: 75 Resp: 16924

Ion Ratio Lower Upper

75 100

110 9.4 16.4 49.1#

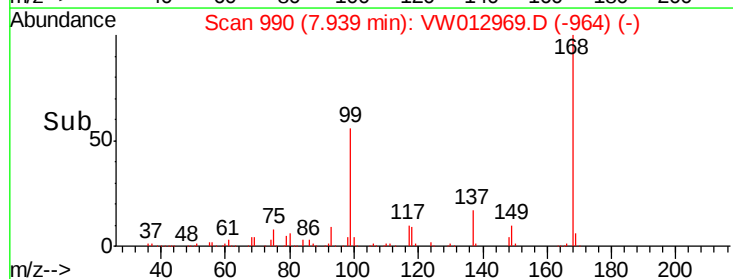
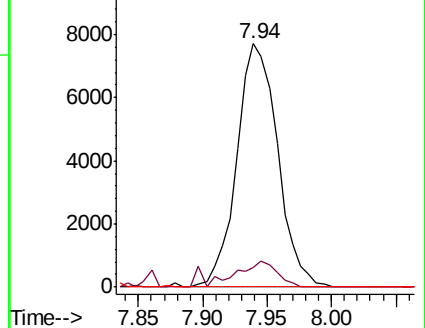
77 0.0 25.1 37.7#

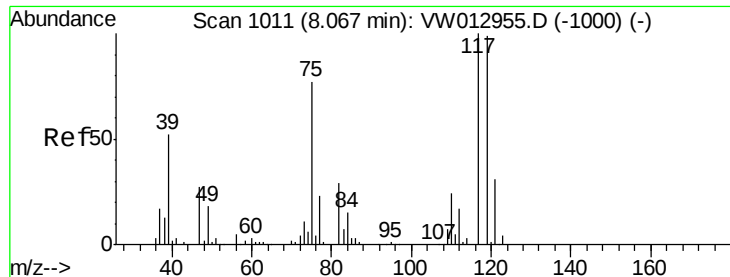


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

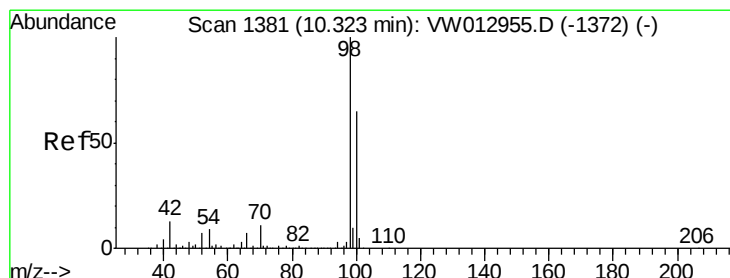
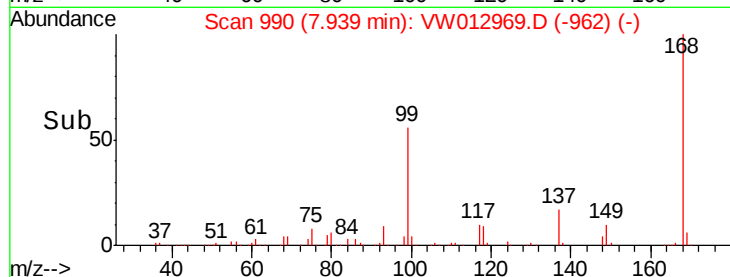
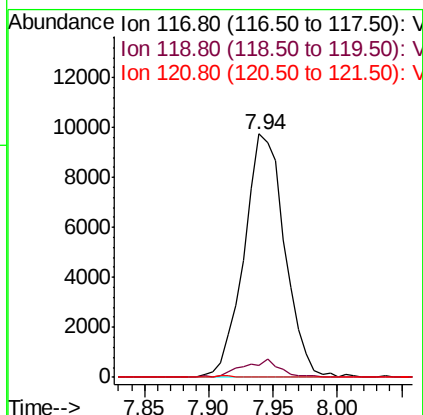
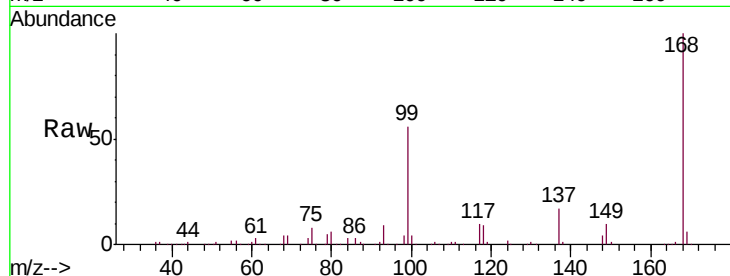




#38
Carbon Tetrachloride
Concen: 7.804 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

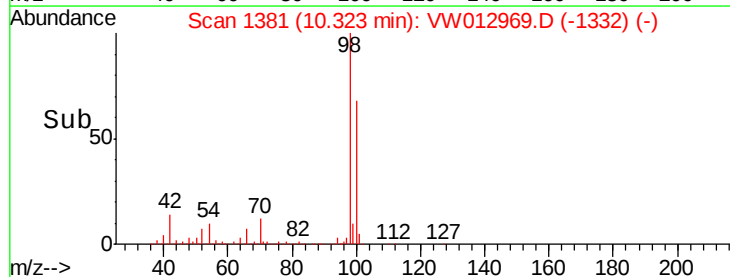
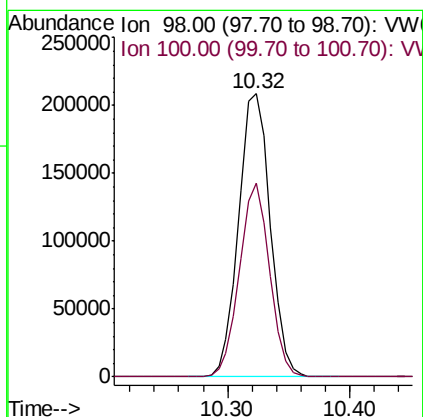
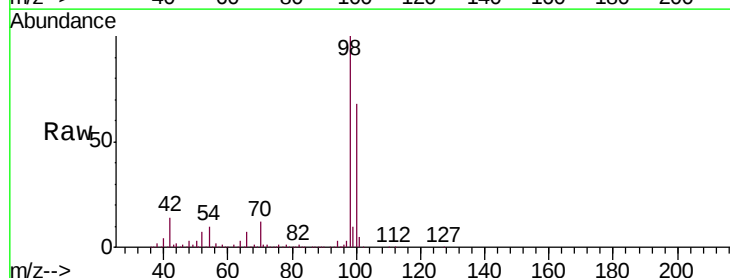
Instrument :
MSVOA_W
ClientSampleId :
T4-3-(1.5)-BRUCKNER

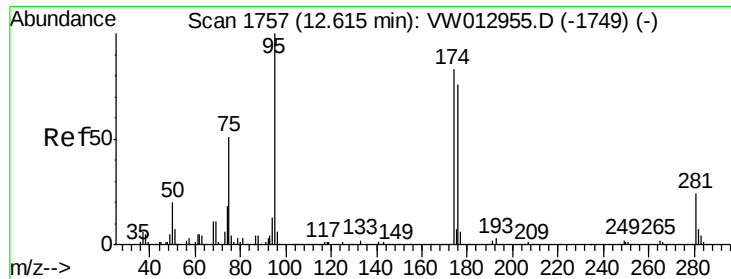
Tgt Ion: 117 Resp: 21245
Ion Ratio Lower Upper
117 100
119 5.0 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 53.089 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

Tgt Ion: 98 Resp: 374728
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1

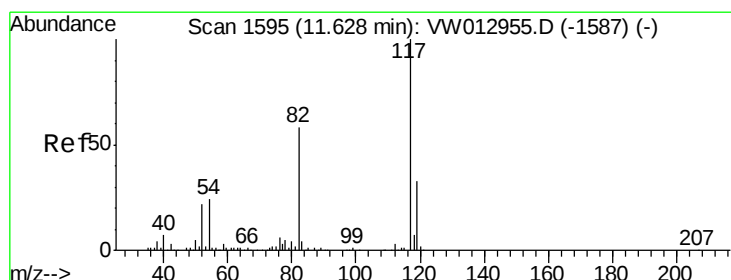
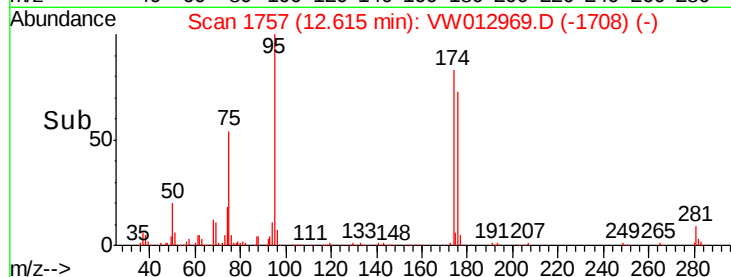
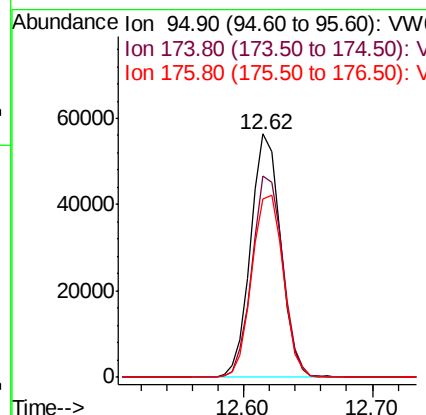
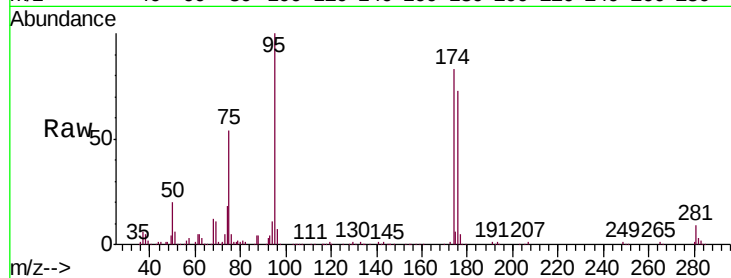




#62
4-Bromofluorobenzene
Concen: 35.626 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

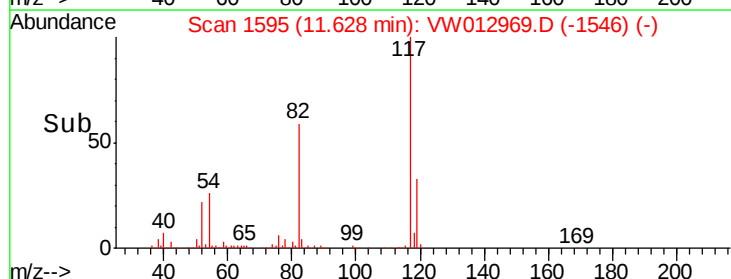
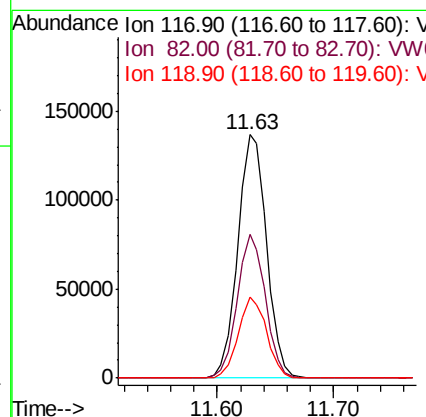
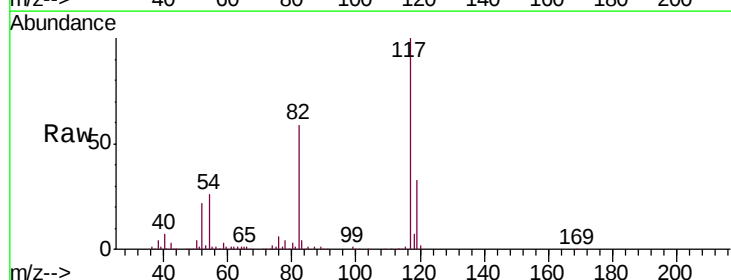
Instrument :
MSVOA_W
ClientSampleId :
T4-3-(1.5)-BRUCKNER

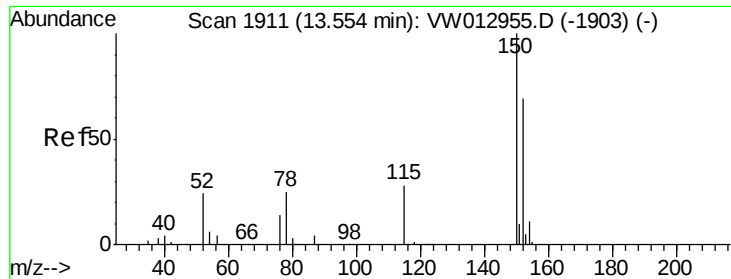
Tgt Ion: 95 Resp: 90422
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.4
176 78.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012969.D
Acq: 13 Sep 2019 22:42

Tgt Ion: 117 Resp: 235402
Ion Ratio Lower Upper
117 100
82 59.0 46.3 69.5
119 33.4 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW012969.D

Acq: 13 Sep 2019 22:42

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(1.5)-BRUCKNER

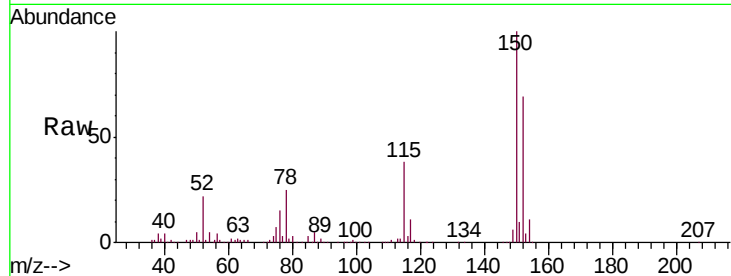
Tgt Ion:152 Resp: 66924

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.4

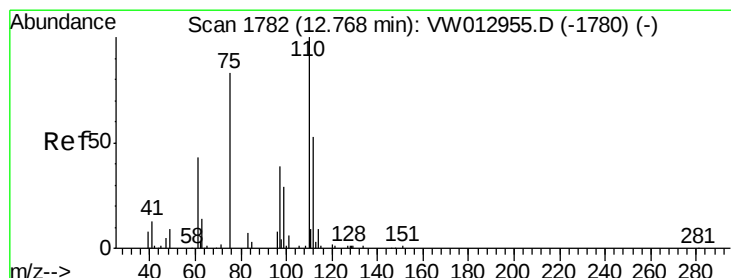
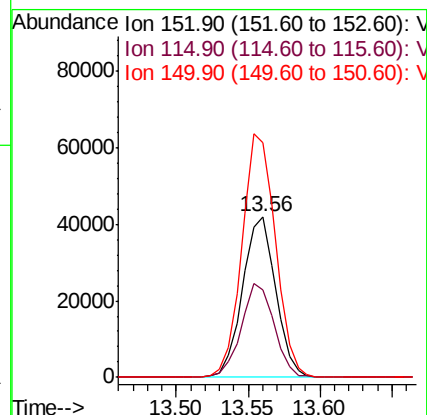
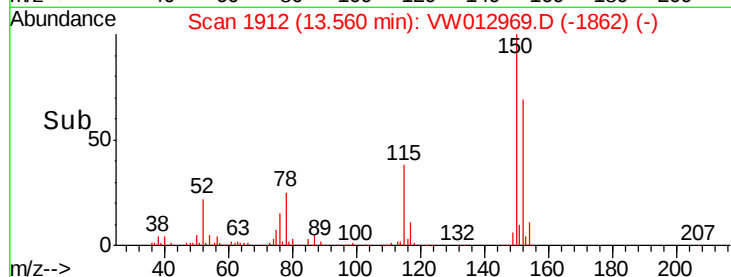
150 153.2 0.0 340.2



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: 80.902 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012969.D

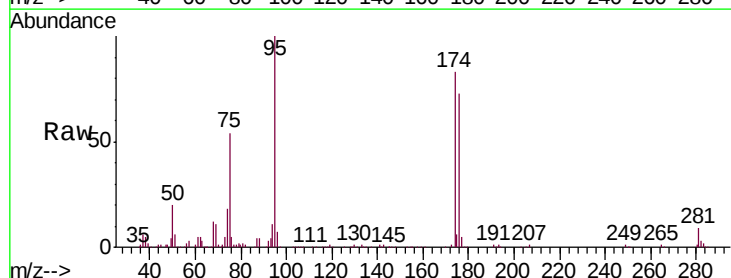
Acq: 13 Sep 2019 22:42

Tgt Ion: 75 Resp: 47425

Ion Ratio Lower Upper

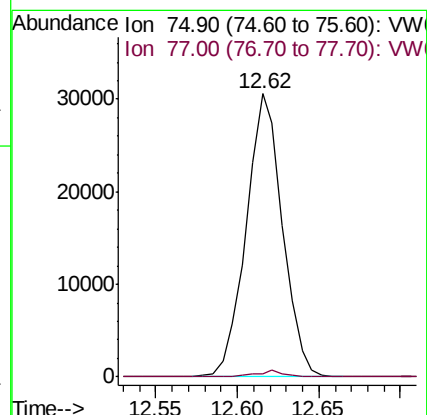
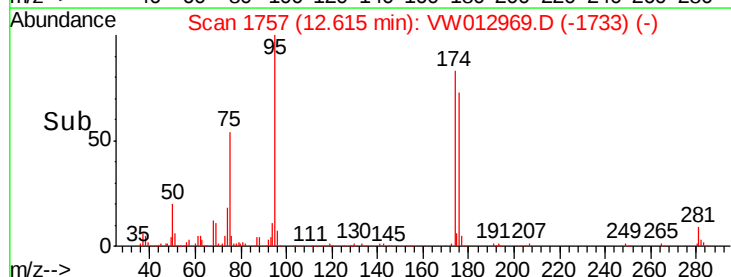
75 100

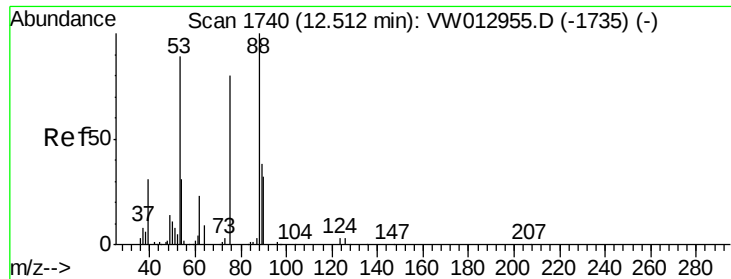
77 1.8 0.0 0.0#



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: 183.525 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012969.D

Acq: 13 Sep 2019 22:42

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(1.5)-BRUCKNER

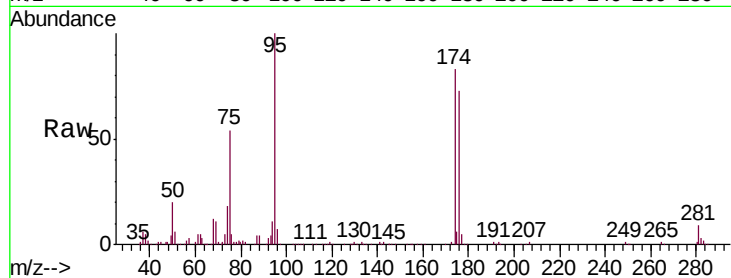
Tgt Ion: 75 Resp: 47425

Ion Ratio Lower Upper

75 100

53 0.3 85.6 128.4#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

