

Data File : VW012968.D
Acq On : 13 Sep 2019 22:16
Operator : SY/VA
Sample : K4719-06
Misc : 3.08G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-BRUCKNER

Quant Time: Sep 14 04:24:41 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	240876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	254186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132832	59.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.42%	
35) Dibromofluoromethane	7.88	113	110454	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
50) Toluene-d8	10.32	98	399660	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.62	95	92664	33.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.06%	

Target Compounds

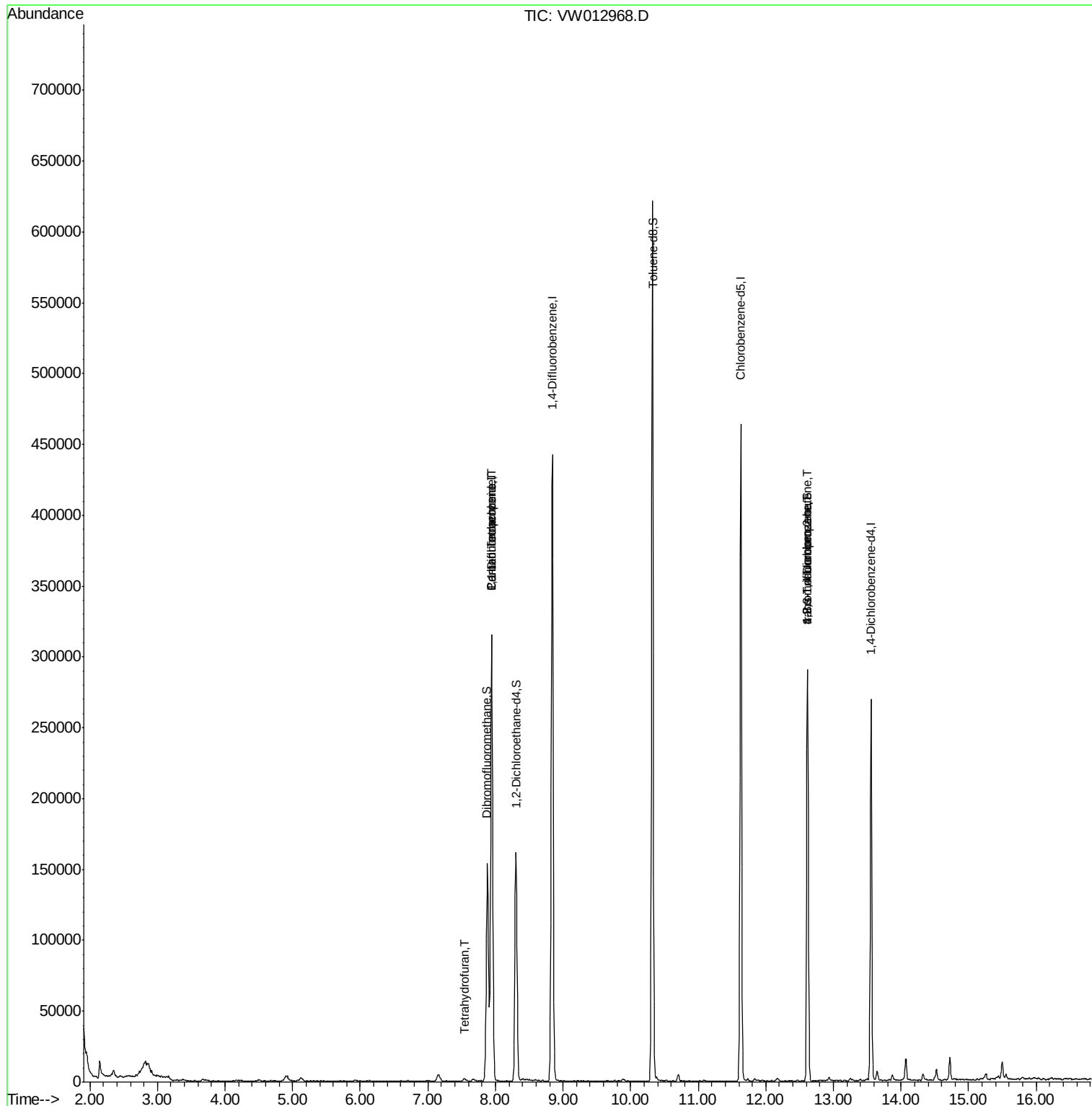
						Qvalue
2) Dichlorodifluoromethane	2.01	85	139	Below Cal	#	44
3) Chloromethane	2.22	50	115	Below Cal	#	25
11) Tert butyl alcohol	5.12	59	2541	Below Cal	#	72
13) Acrolein	3.84	56	19	Below Cal	#	1
16) Acetone	4.15	43	879	Below Cal	#	85
20) Methylene Chloride	4.91	84	2606	Below Cal		88
26) 2,2-Dichloropropane	7.17	77	94	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	1381	3.426 ug/l	#	53
31) Cyclohexane	7.94	56	5468	Below Cal	#	13
36) 1,1-Dichloropropene	7.95	75	18990	6.566 ug/l	#	46
38) Carbon Tetrachloride	7.95	117	22683	7.653 ug/l	#	15
76) 1,2,3-Trichloropropane	12.62	75	49777	82.158 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	49777	186.375 ug/l	#	7

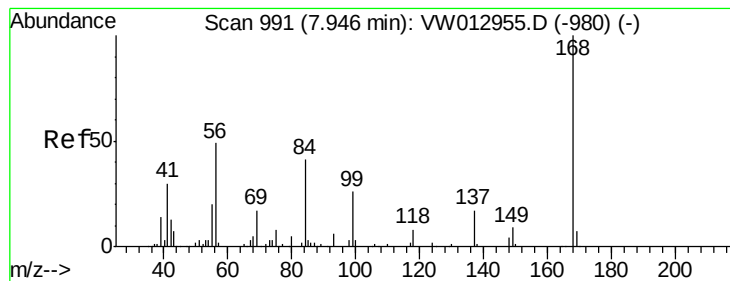
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012968.D

Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

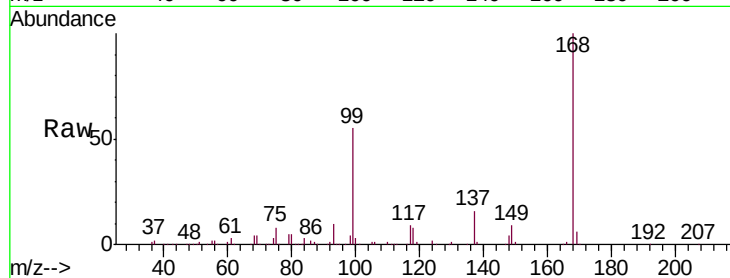
T4-3-(0)-BRUCKNER

Tgt Ion:168 Resp: 240876

Ion Ratio Lower Upper

168 100

99 54.8 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

120000

100000

80000

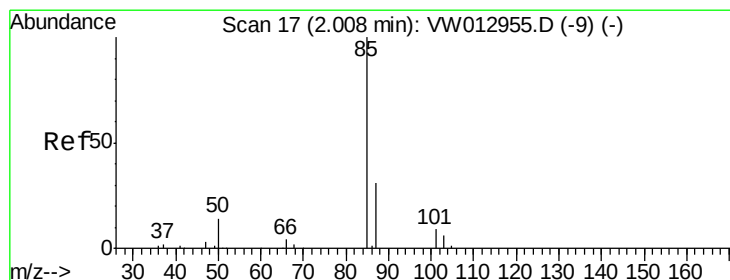
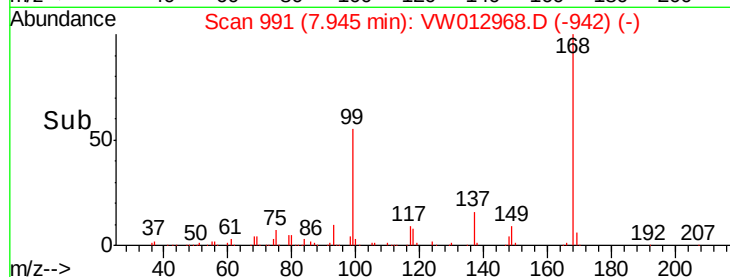
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012968.D

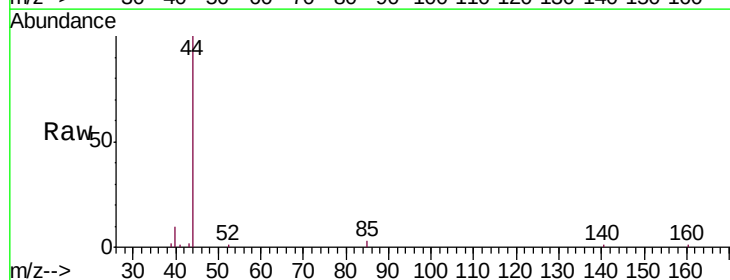
Acq: 13 Sep 2019 22:16

Tgt Ion: 85 Resp: 139

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

2.01

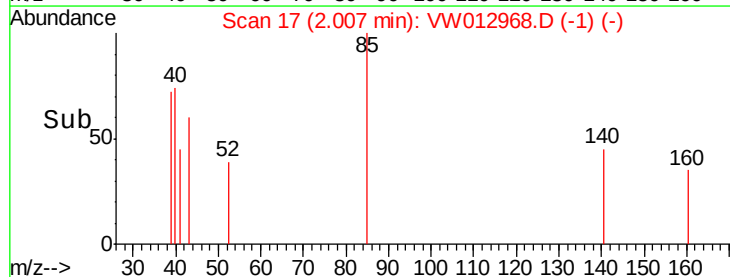
150

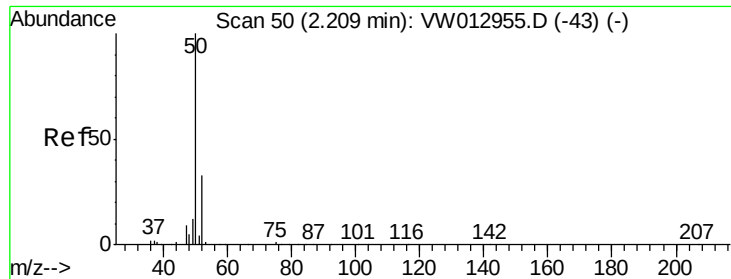
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW012968.D

Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

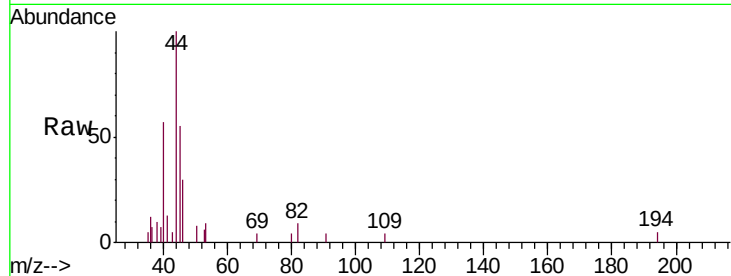
T4-3-(0)-BRUCKNER

Tgt Ion: 50 Resp: 115

Ion Ratio Lower Upper

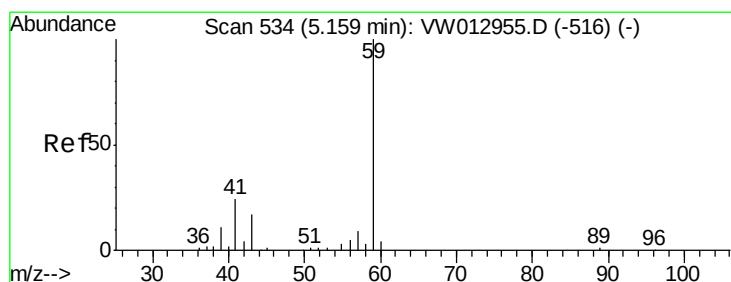
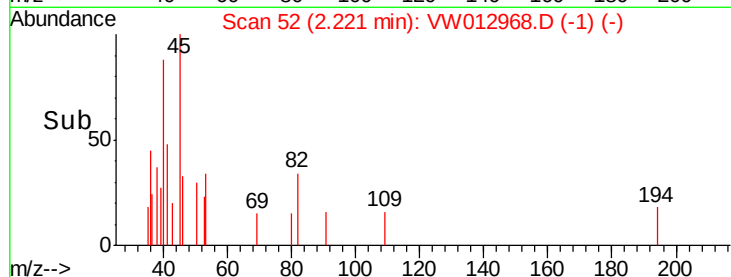
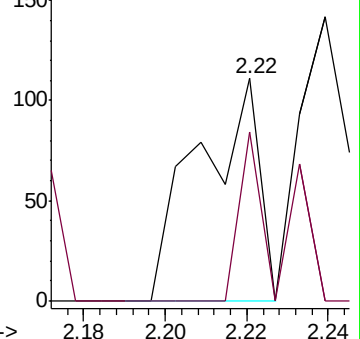
50 100

52 75.7 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012968.D

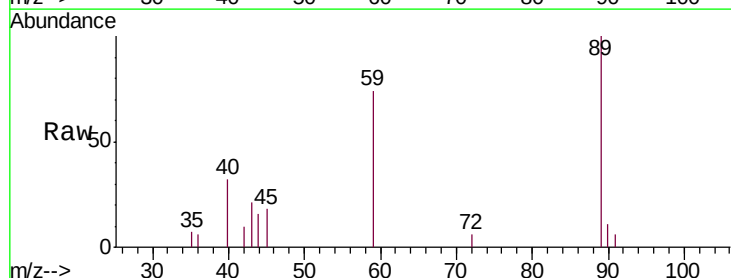
Acq: 13 Sep 2019 22:16

Tgt Ion: 59 Resp: 2541

Ion Ratio Lower Upper

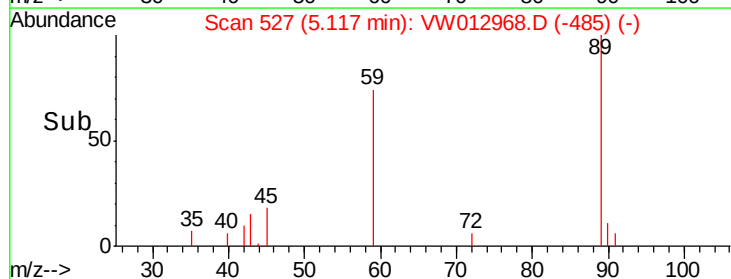
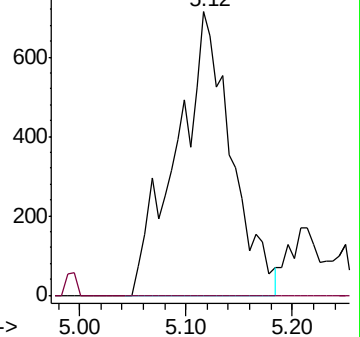
59 100

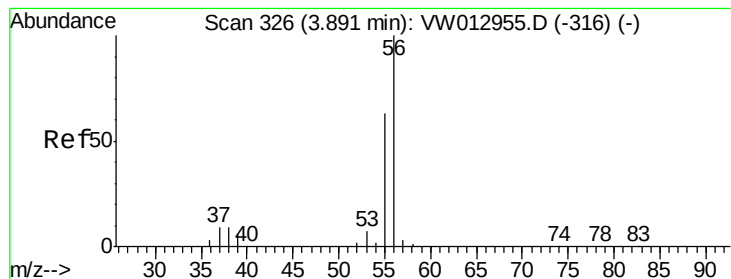
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.84 min Scan# 318

Delta R.T. -0.05 min

Lab File: VW012968.D

Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

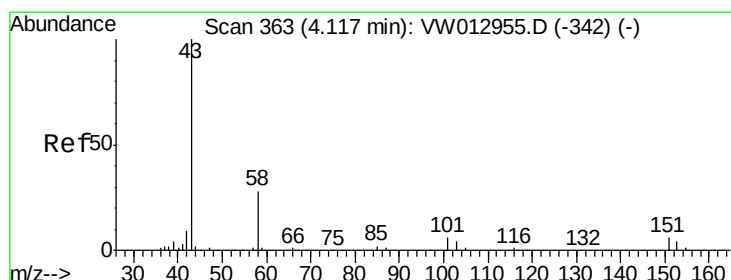
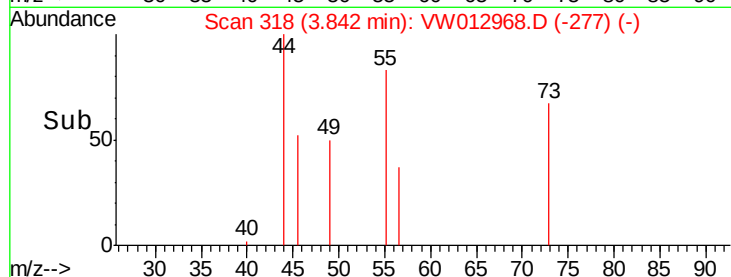
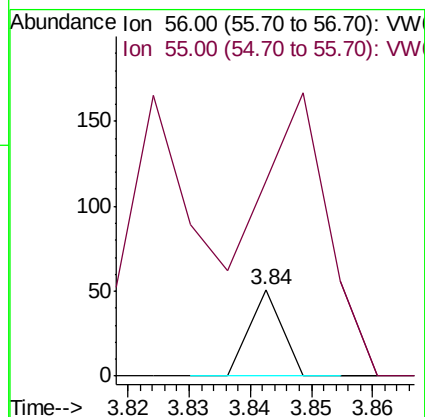
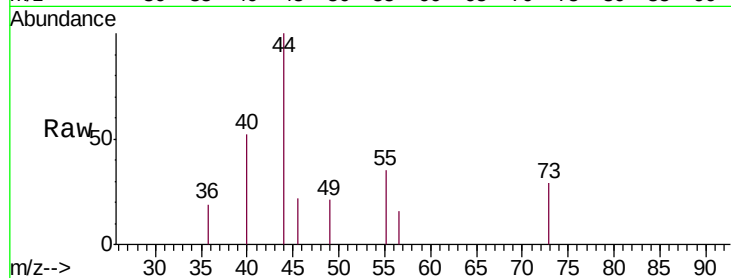
T4-3-(0)-BRUCKNER

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 652.6 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW012968.D

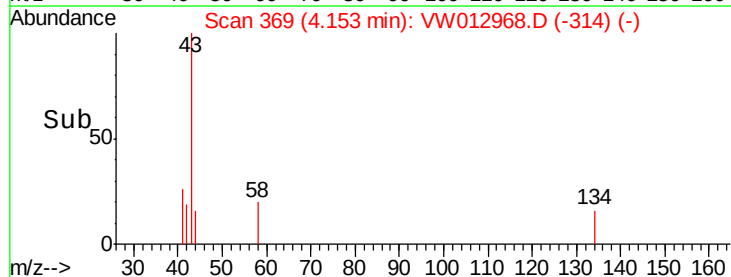
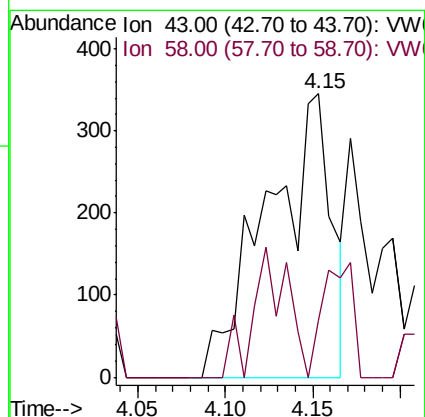
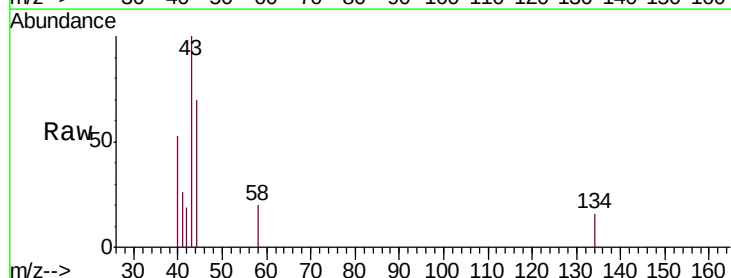
Acq: 13 Sep 2019 22:16

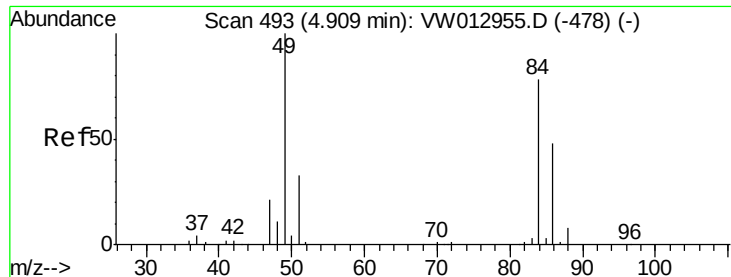
Tgt Ion: 43 Resp: 879

Ion Ratio Lower Upper

43 100

58 20.0 22.3 33.5#

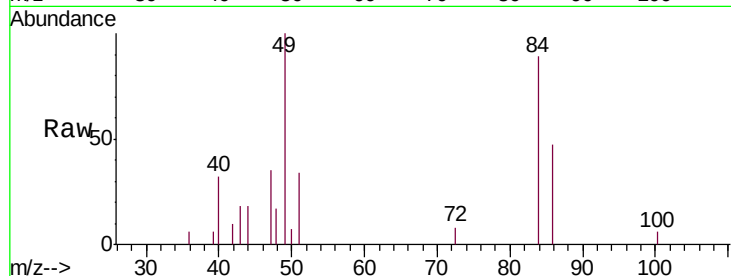




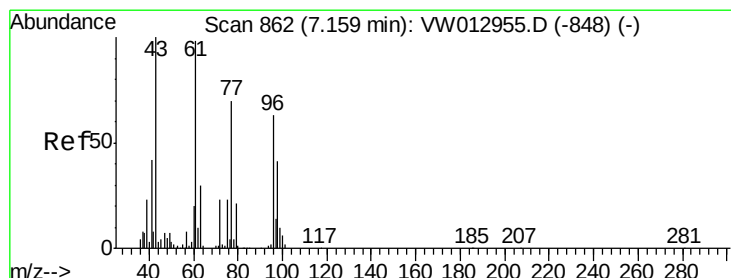
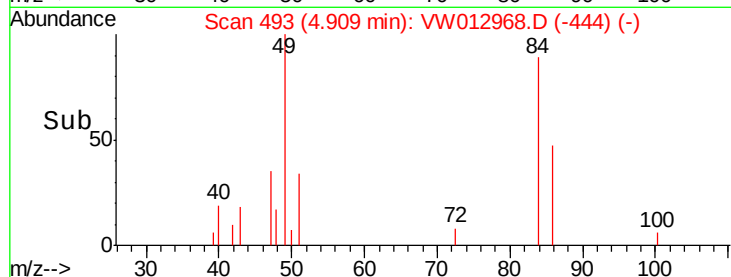
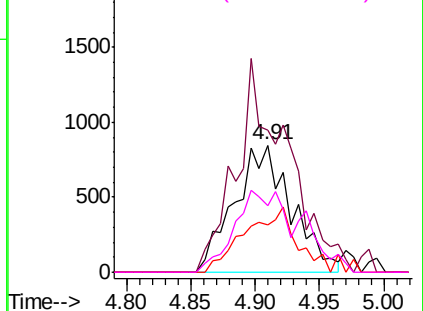
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-BRUCKNER

Tgt Ion:	84	Resp:	2606
Ion	Ratio	Lower	Upper
84	100		
49	112.3	102.0	153.0
51	37.6	34.0	51.0
86	52.2	48.5	72.7

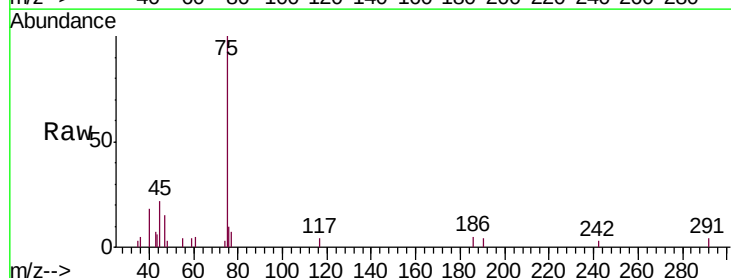


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

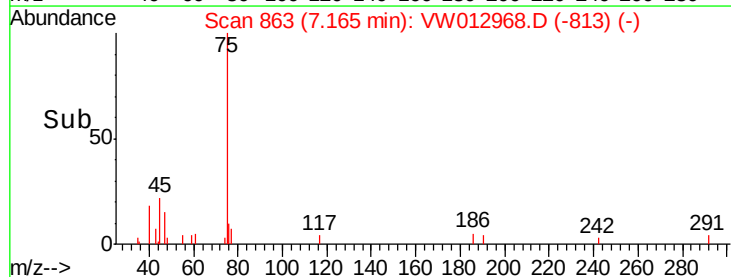
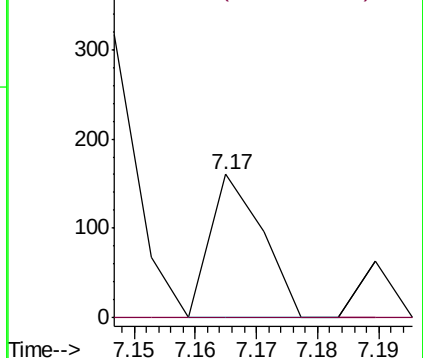


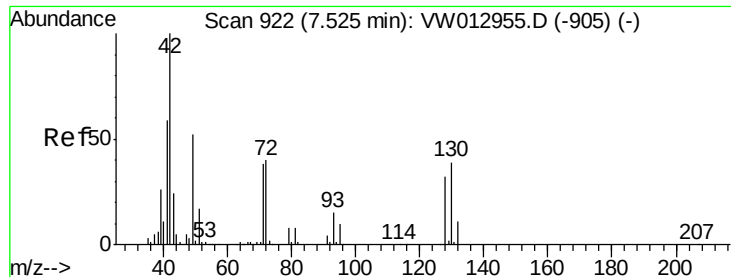
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Tgt Ion:	77	Resp:	94
Ion	Ratio	Lower	Upper
77	100		
97	0.0	10.7	32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW

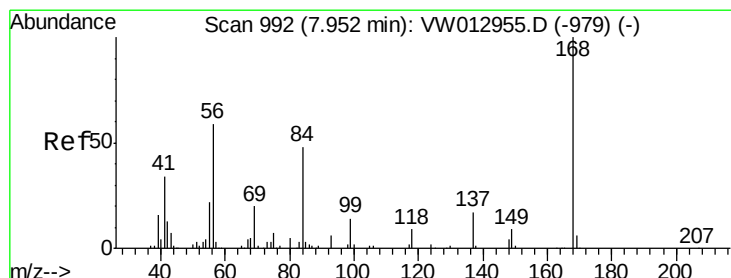
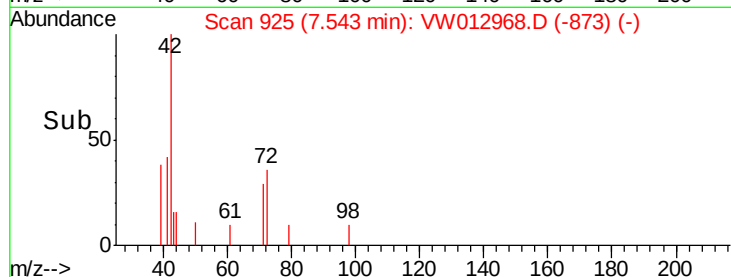
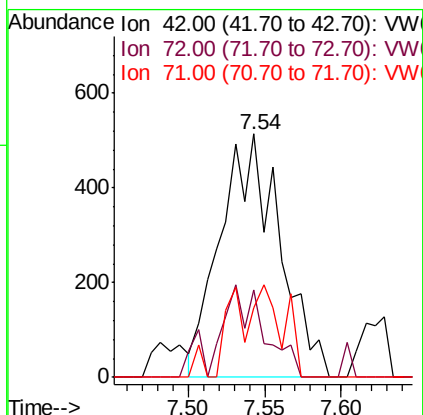
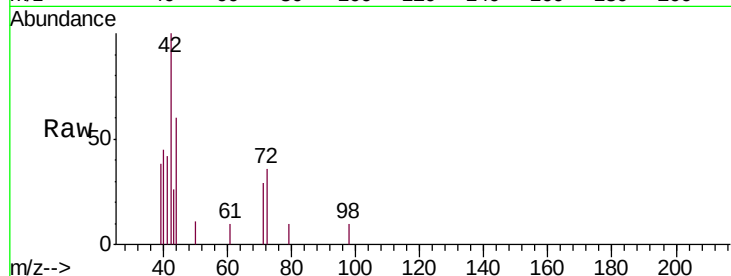




#29
Tetrahydrofuran
Concen: 3.426 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

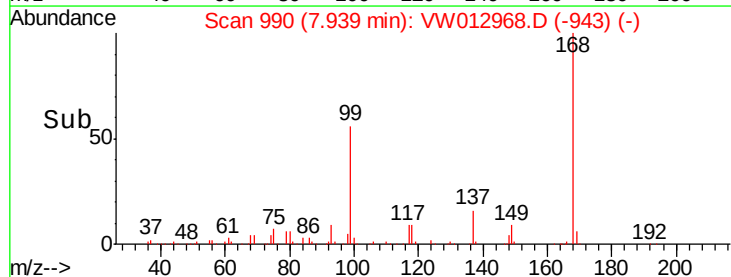
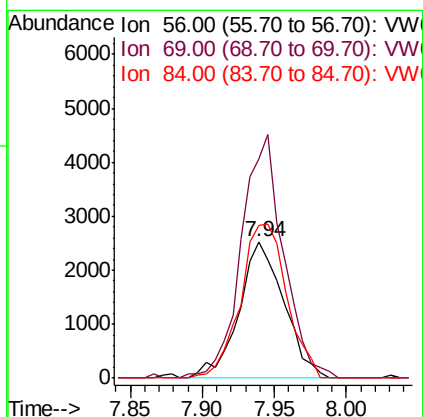
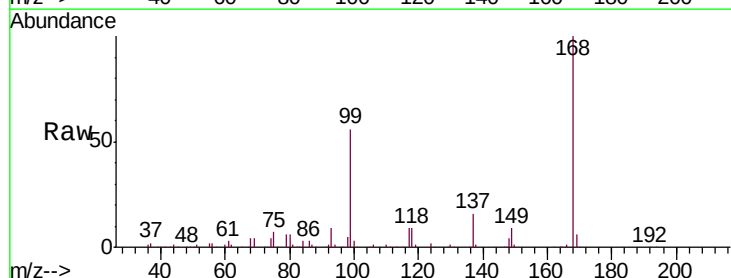
Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-BRUCKNER

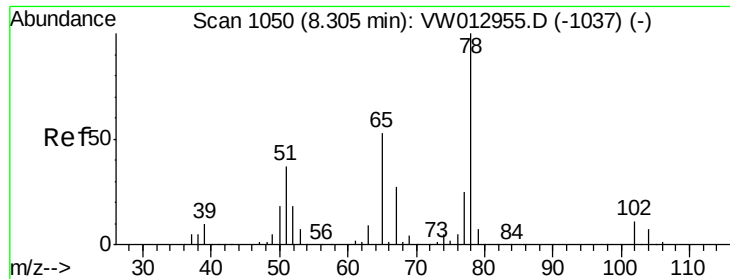
Tgt Ion: 42 Resp: 1381
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.0#
71 19.4 29.8 44.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Tgt Ion: 56 Resp: 5468
Ion Ratio Lower Upper
56 100
69 160.5 27.0 40.6#
84 111.4 66.2 99.2#

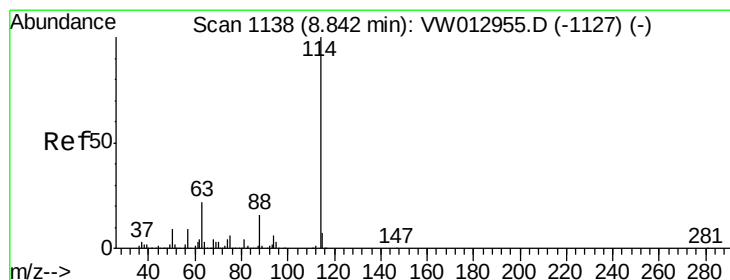
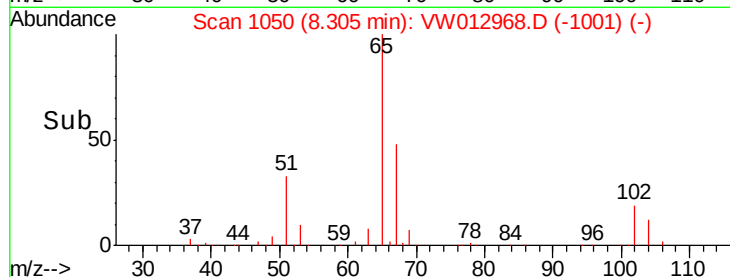
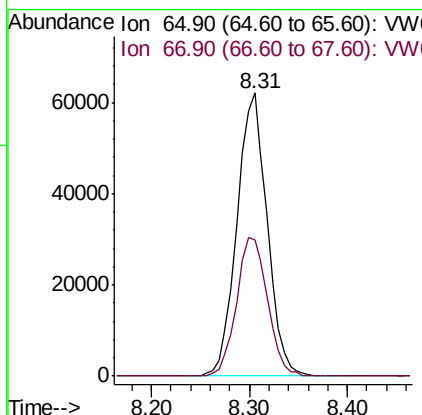
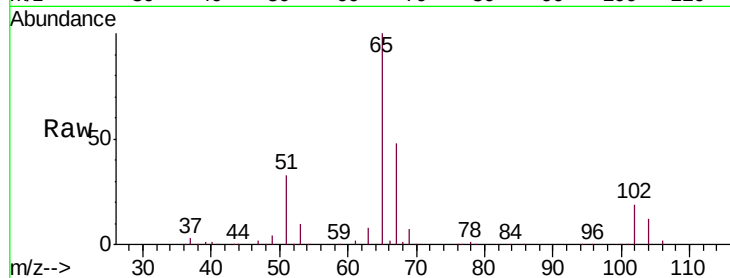




#33
 1,2-Dichloroethane-d4
 Concen: 59.709 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012968.D
 Acq: 13 Sep 2019 22:16

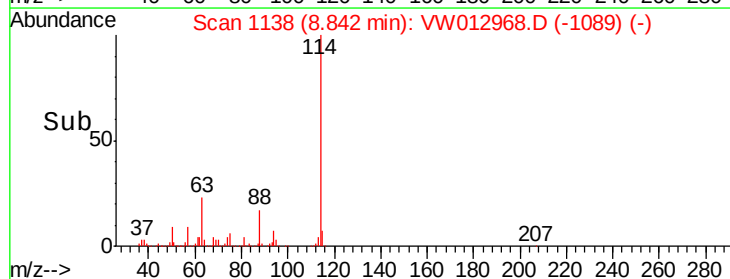
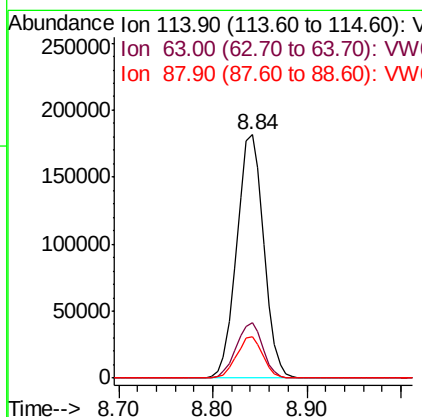
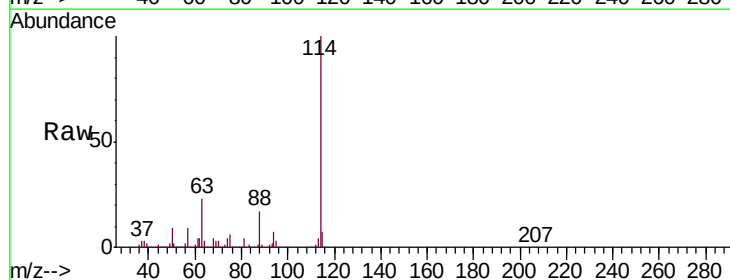
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-3-(0)-BRUCKNER

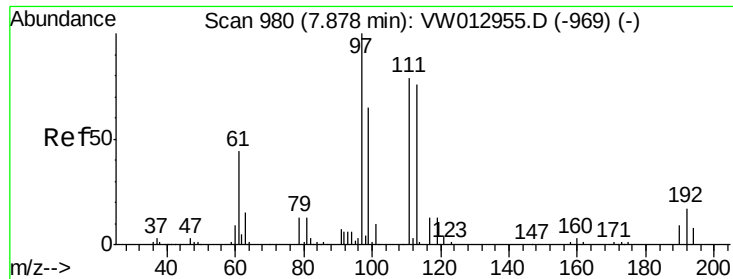
Tgt Ion: 65 Resp: 132832
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012968.D
 Acq: 13 Sep 2019 22:16

Tgt Ion: 114 Resp: 361939
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 17.1 0.0 31.6

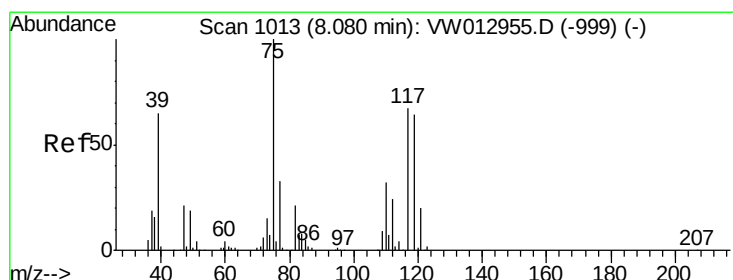
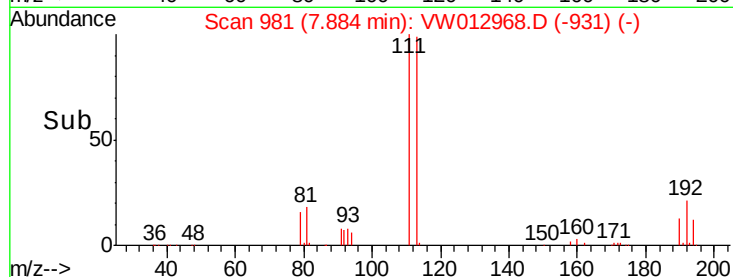
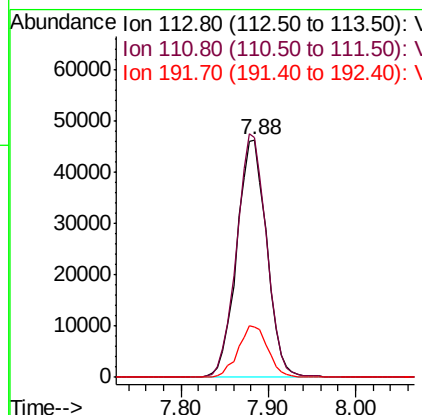
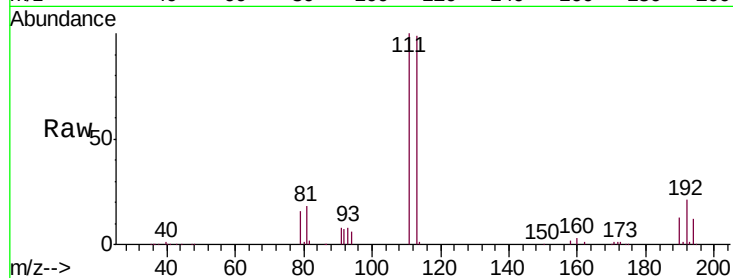




#35
 Dibromofluoromethane
 Concen: 56.242 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012968.D
 Acq: 13 Sep 2019 22:16

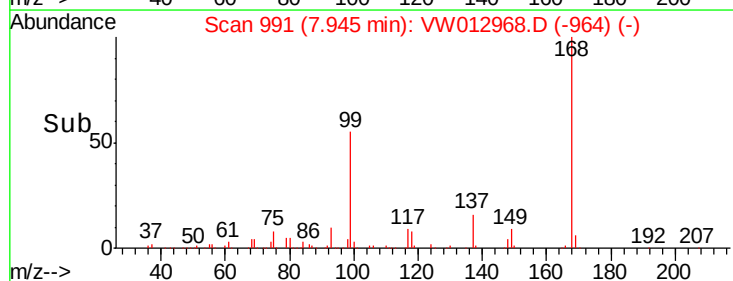
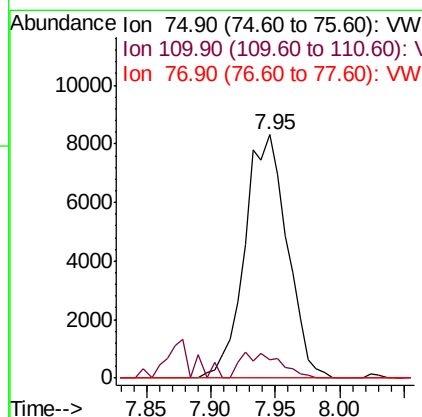
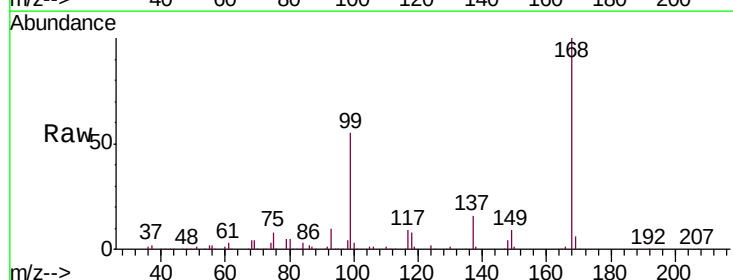
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-3-(0)-BRUCKNER

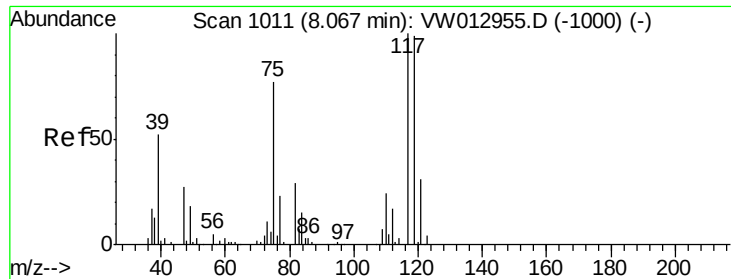
Tgt Ion: 113 Resp: 110454
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.8 124.2
 192 21.6 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 6.566 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012968.D
 Acq: 13 Sep 2019 22:16

Tgt Ion: 75 Resp: 18990
 Ion Ratio Lower Upper
 75 100
 110 3.8 16.4 49.1#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 7.653 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012968.D

Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-BRUCKNER

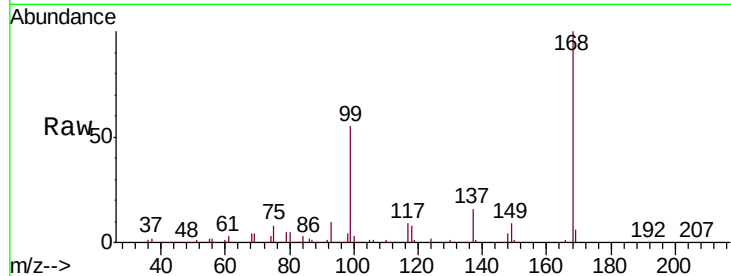
Tgt Ion:117 Resp: 22683

Ion Ratio Lower Upper

117 100

119 5.5 79.4 119.0#

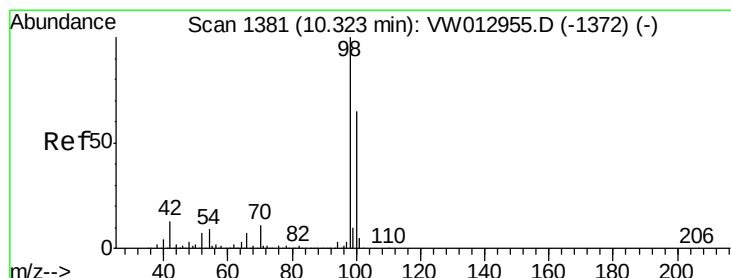
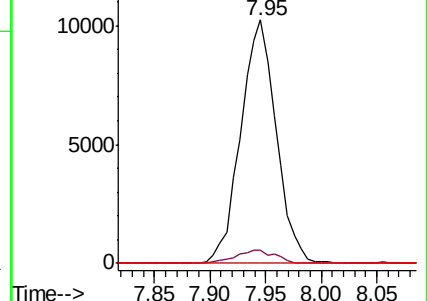
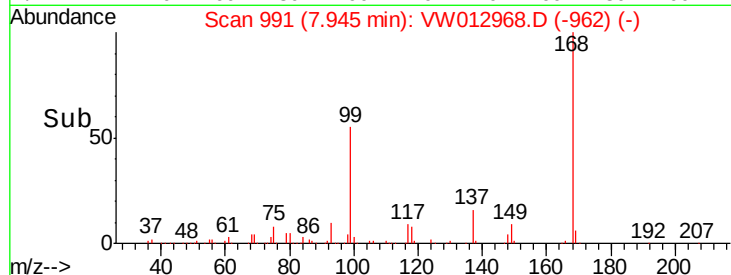
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 52.005 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012968.D

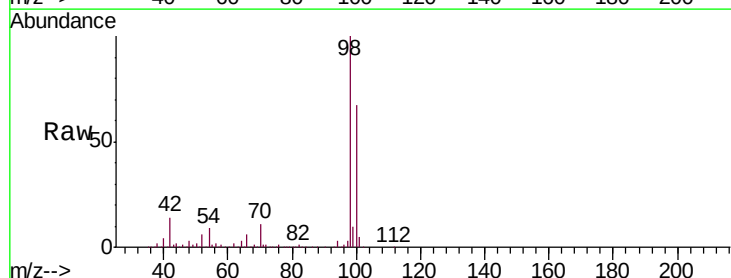
Acq: 13 Sep 2019 22:16

Tgt Ion: 98 Resp: 399660

Ion Ratio Lower Upper

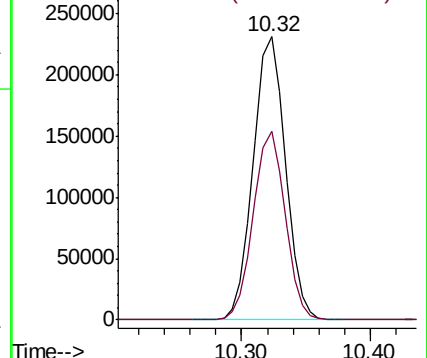
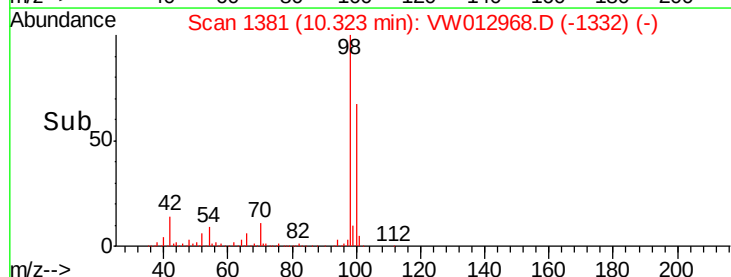
98 100

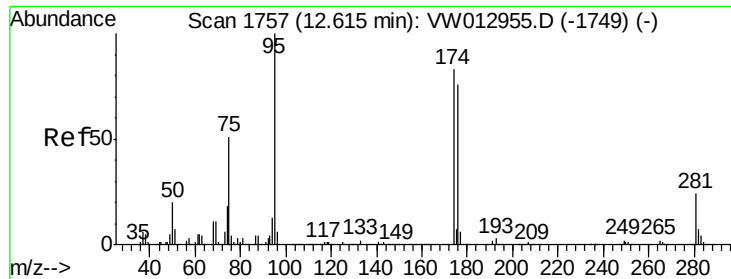
100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

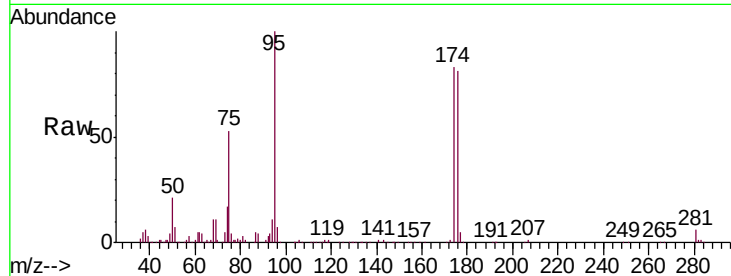




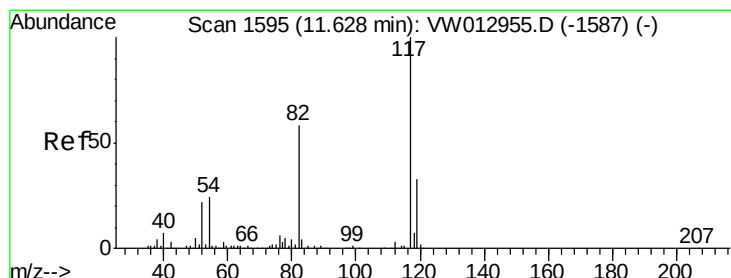
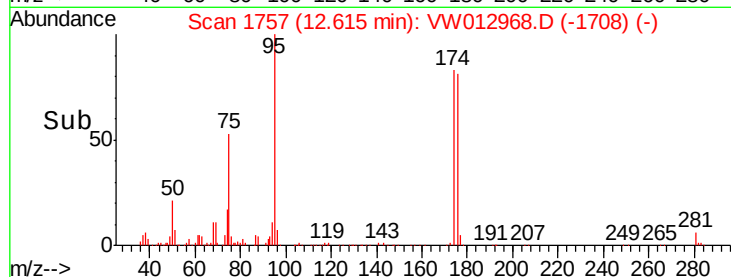
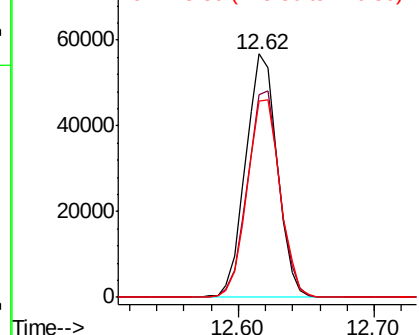
#62
4-Bromofluorobenzene
Concen: 33.533 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
T4-3-(0)-BRUCKNER

Tgt Ion: 95 Resp: 92664
Ion Ratio Lower Upper
95 100
174 86.4 0.0 170.4
176 84.5 0.0 164.6

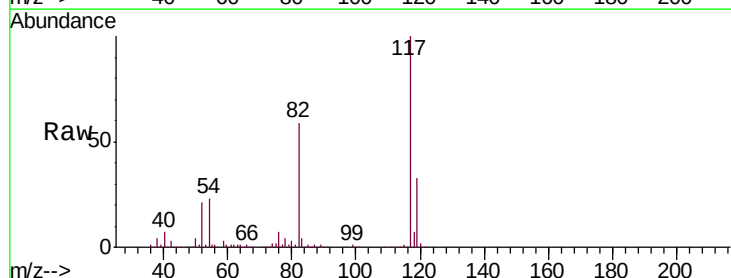


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

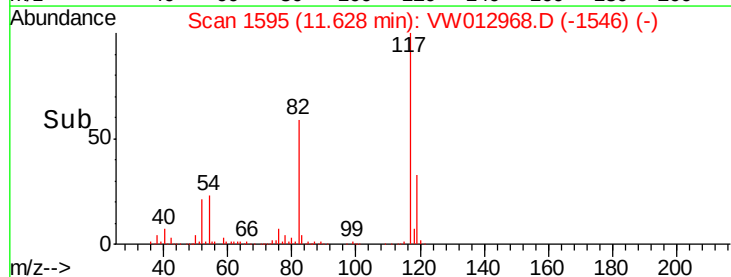
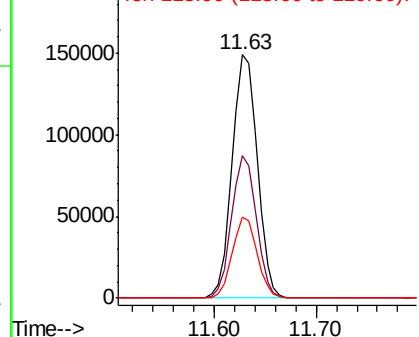


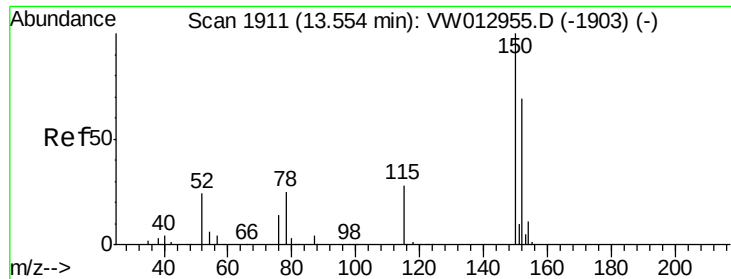
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012968.D
Acq: 13 Sep 2019 22:16

Tgt Ion: 117 Resp: 254186
Ion Ratio Lower Upper
117 100
82 58.6 46.3 69.5
119 33.2 26.2 39.4



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW012968.D

Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-BRUCKNER

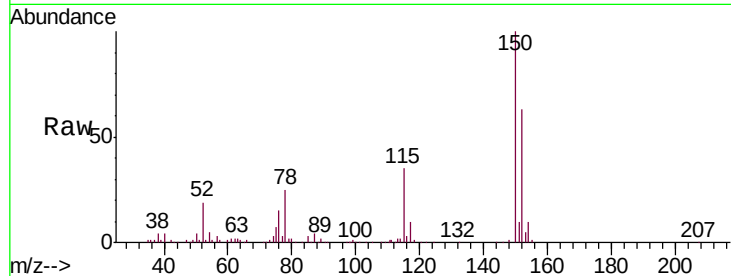
Tgt Ion:152 Resp: 69169

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.4

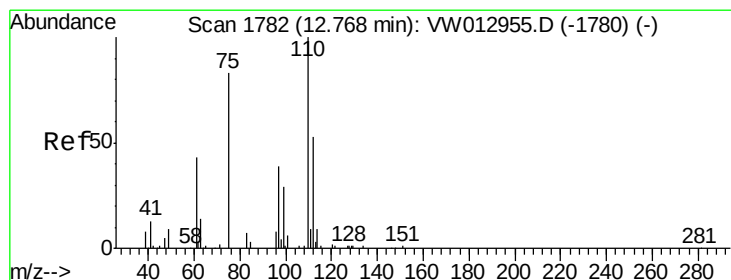
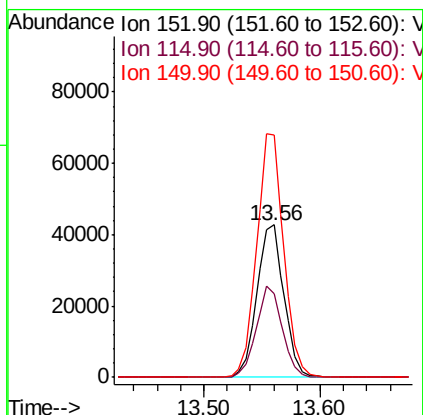
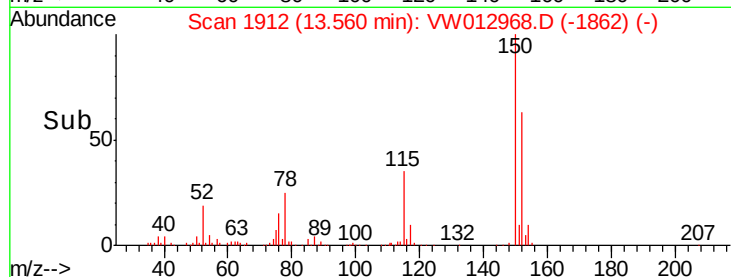
150 159.3 0.0 340.2



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: 82.158 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012968.D

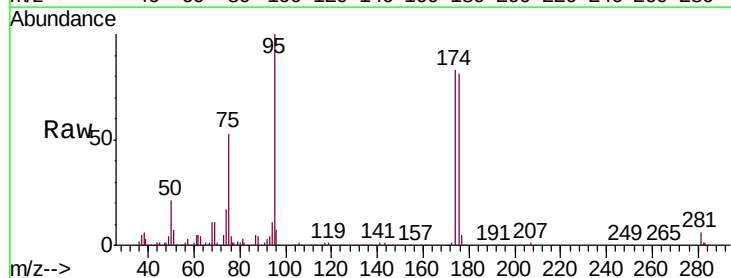
Acq: 13 Sep 2019 22:16

Tgt Ion: 75 Resp: 49777

Ion Ratio Lower Upper

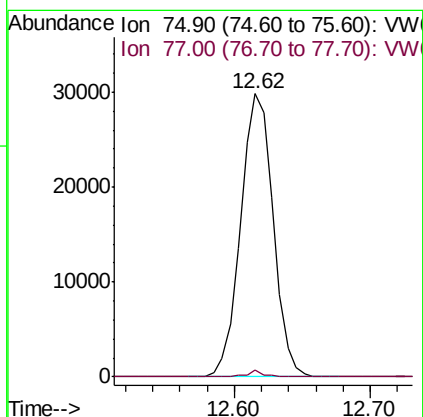
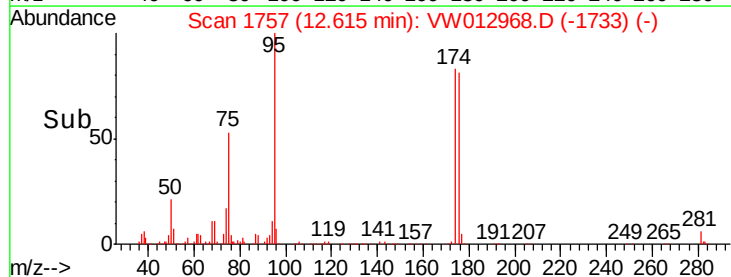
75 100

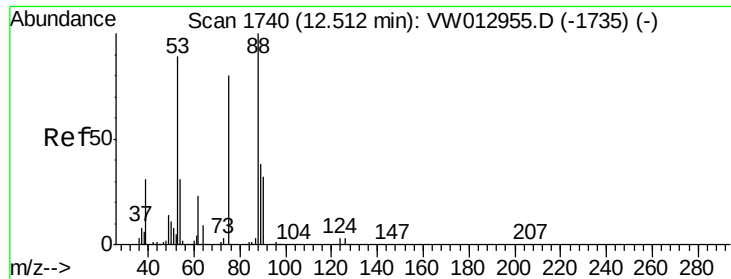
77 1.3 0.0 0.0#



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: 186.375 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012968.D

Acq: 13 Sep 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

T4-3-(0)-BRUCKNER

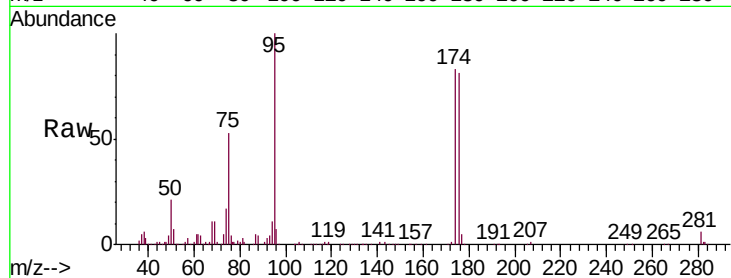
Tgt Ion: 75 Resp: 49777

Ion Ratio Lower Upper

75 100

53 0.2 85.6 128.4#

89 0.2 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

