

Data File : VW012967.D
Acq On : 13 Sep 2019 21:50
Operator : SY/VA
Sample : K4719-05
Misc : 4.66G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-2-(1.5)-BRUCKNER

Quant Time: Sep 14 04:24:21 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	255686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	96759	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	135794	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
35) Dibromofluoromethane	7.88	113	113481	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
50) Toluene-d8	10.32	98	436632	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
62) 4-Bromofluorobenzene	12.62	95	119135	40.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.70%	

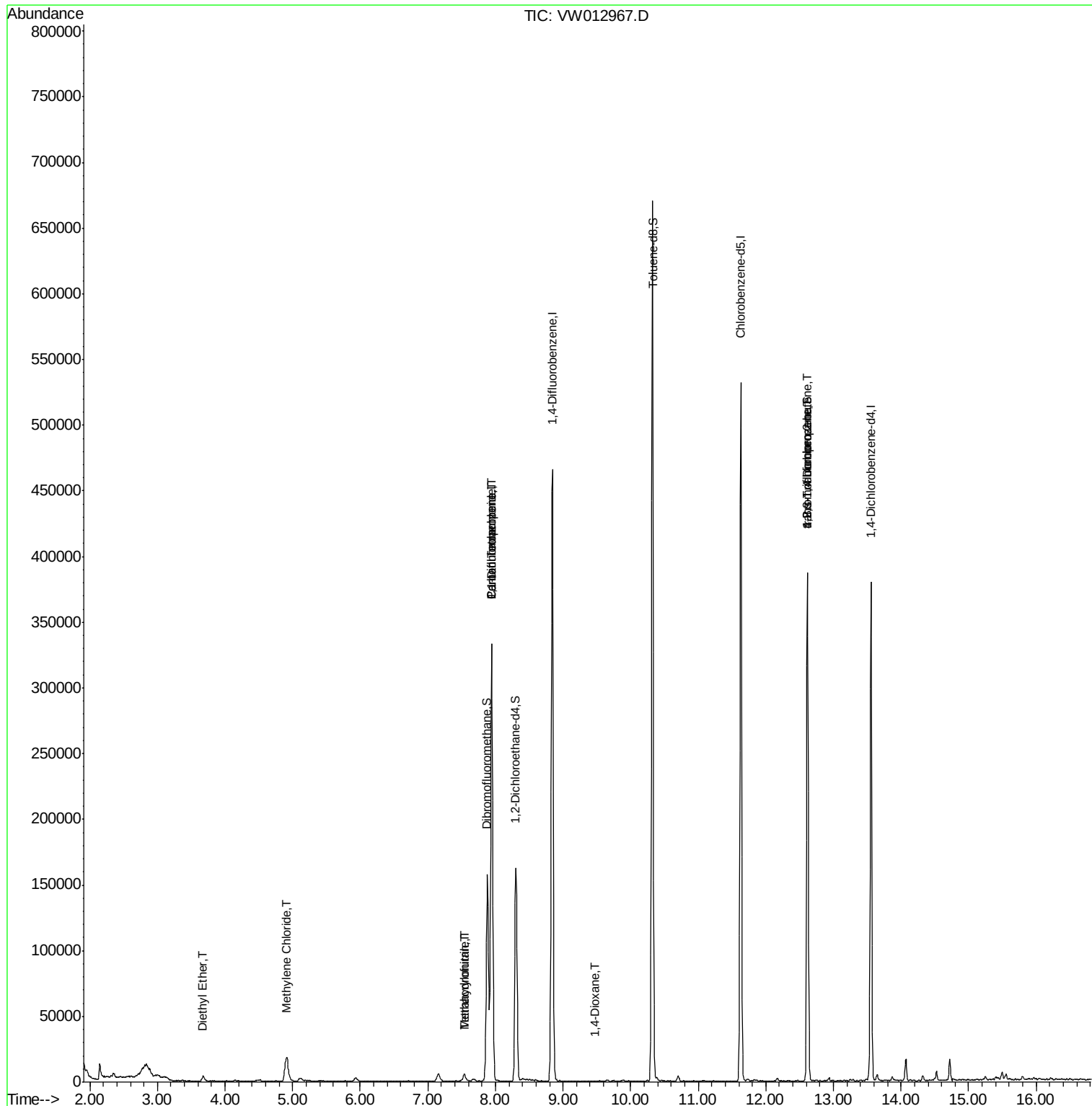
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	80	Below Cal	#	44
3) Chloromethane	2.20	50	102	Below Cal	#	41
8) Diethyl Ether	3.67	74	1773	1.774	ug/l	67
11) Tert butyl alcohol	5.12	59	1604	Below Cal	#	72
13) Acrolein	3.89	56	20	Below Cal	#	15
16) Acetone	4.14	43	952	Below Cal	#	84
20) Methylene Chloride	4.91	84	13938	2.365	ug/l	93
26) 2,2-Dichloropropane	7.15	77	396	Below Cal	#	55
29) Tetrahydrofuran	7.53	42	4836	11.303	ug/l	95
31) Cyclohexane	7.94	56	5386	Below Cal	#	7
36) 1,1-Dichloropropene	7.95	75	19257	6.309	ug/l	52
38) Carbon Tetrachloride	7.95	117	24695	7.895	ug/l	14
41) Methacrylonitrile	7.55	41	2982	2.795	ug/l	52
49) 1,4-Dioxane	9.46	88	49	2.696	ug/l	1
76) 1,2,3-Trichloropropane	12.62	75	62470	73.708	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62470	167.205	ug/l	7

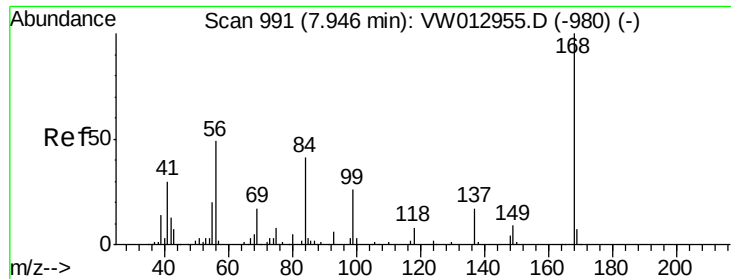
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW012967.D

Acq: 13 Sep 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

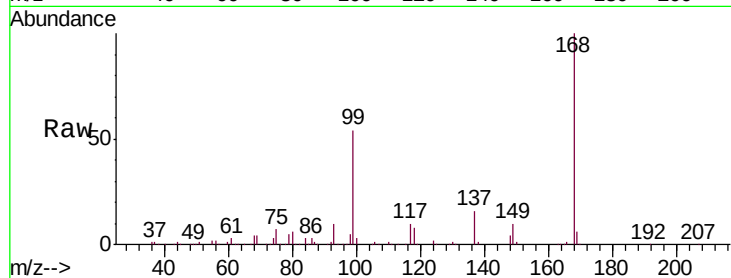
T4-2-(1.5)-BRUCKNER

Tgt Ion:168 Resp: 255686

Ion Ratio Lower Upper

168 100

99 53.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

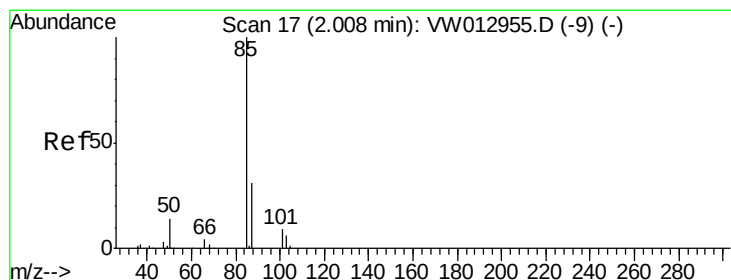
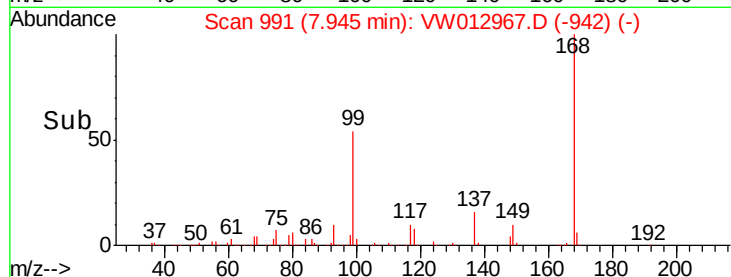
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW012967.D

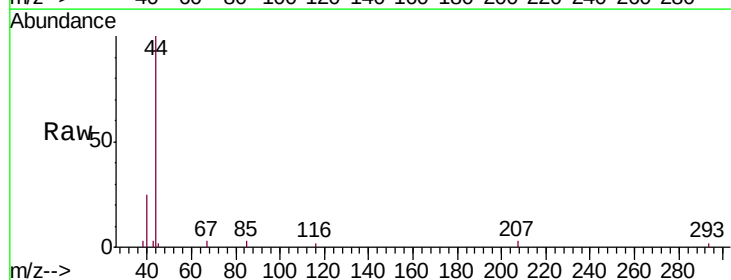
Acq: 13 Sep 2019 21:50

Tgt Ion: 85 Resp: 80

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

80

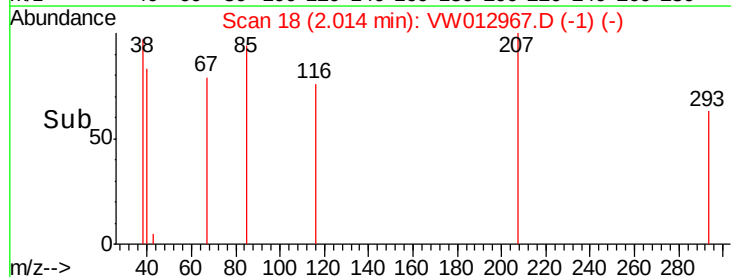
60

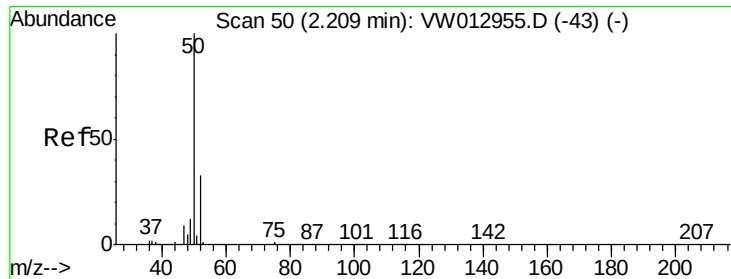
40

20

0

Time--> 1.98 2.00 2.02





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW012967.D

Acq: 13 Sep 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

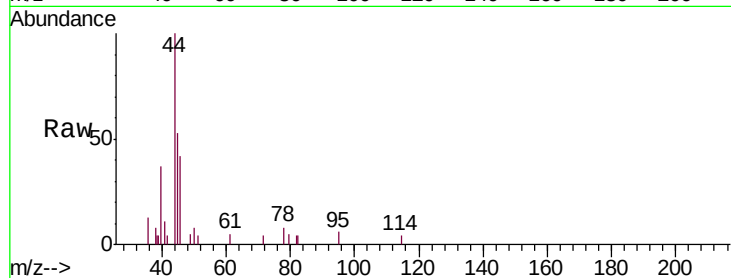
T4-2-(1.5)-BRUCKNER

Tgt Ion: 50 Resp: 102

Ion Ratio Lower Upper

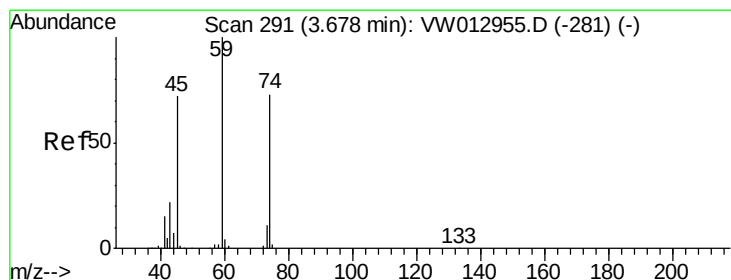
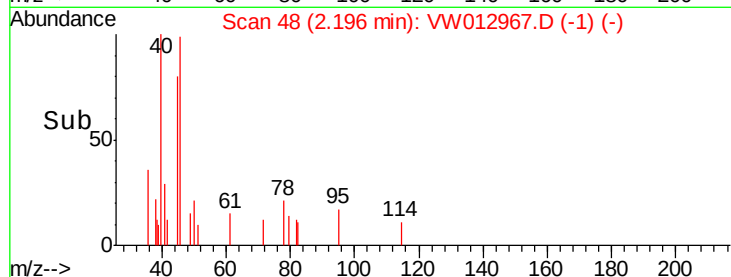
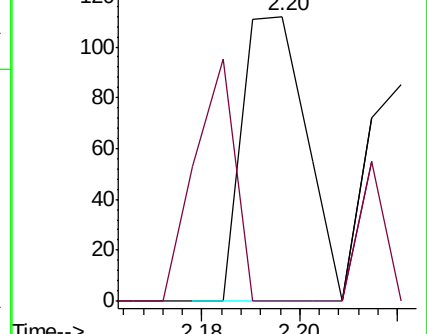
50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#8

Diethyl Ether

Concen: 1.774 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012967.D

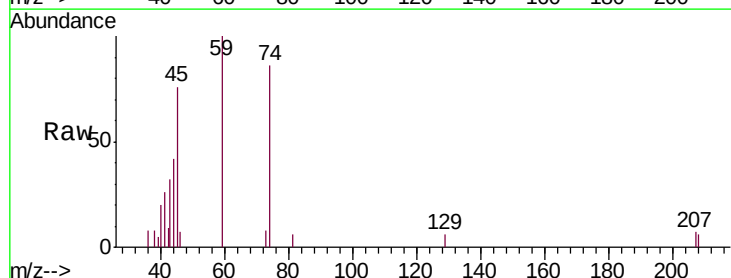
Acq: 13 Sep 2019 21:50

Tgt Ion: 74 Resp: 1773

Ion Ratio Lower Upper

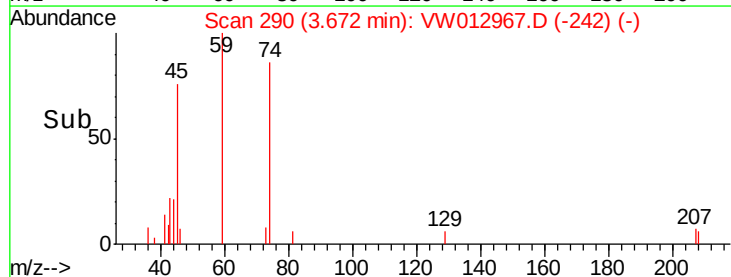
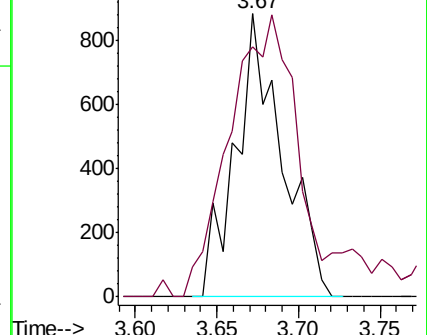
74 100

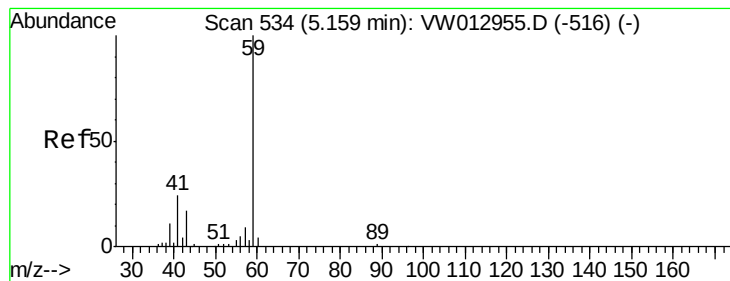
45 142.0 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



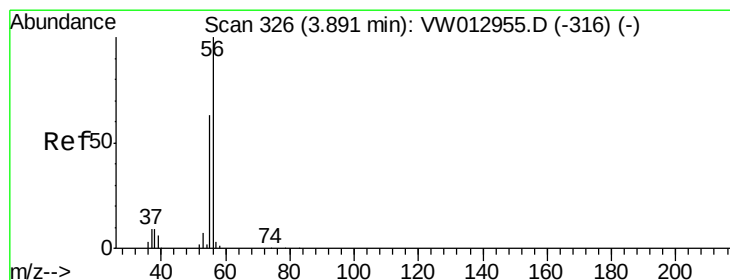
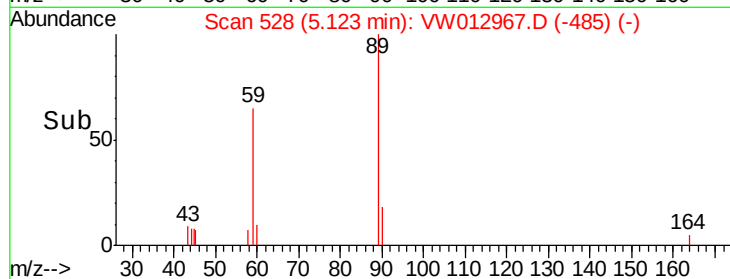
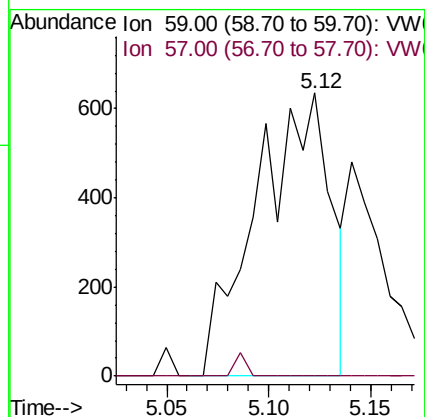
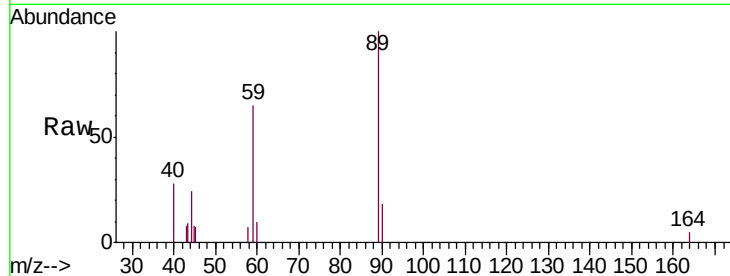


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW012967.D
 Acq: 13 Sep 2019 21:50

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2-(1.5)-BRUCKNER

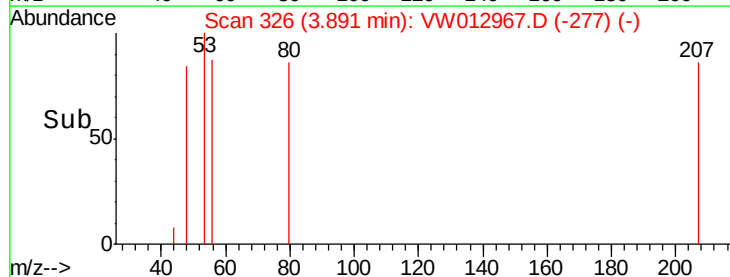
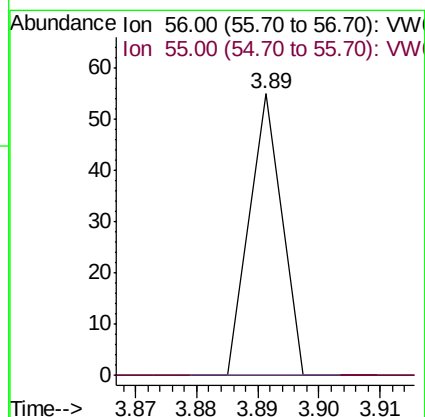
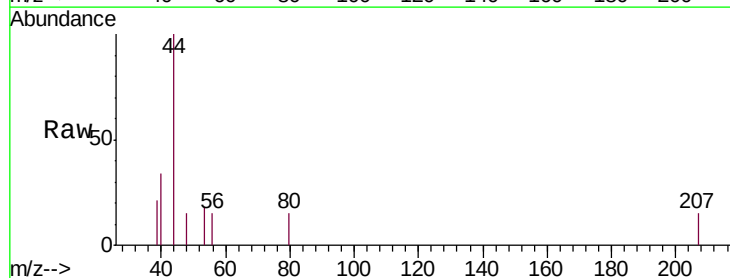
Tgt Ion: 59 Resp: 1604
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

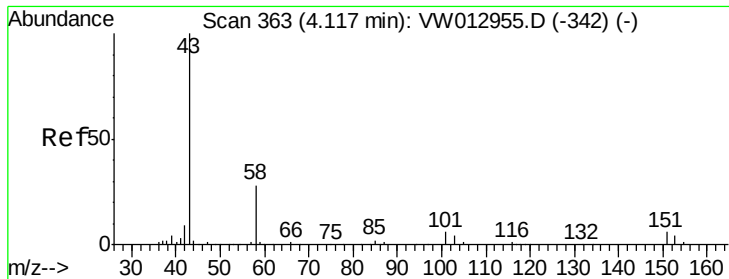


#13

Acrolein
 Concen: Below Cal
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW012967.D
 Acq: 13 Sep 2019 21:50

Tgt Ion: 56 Resp: 20
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW012967.D

Acq: 13 Sep 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

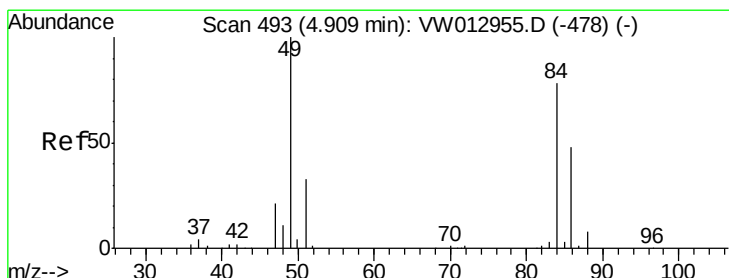
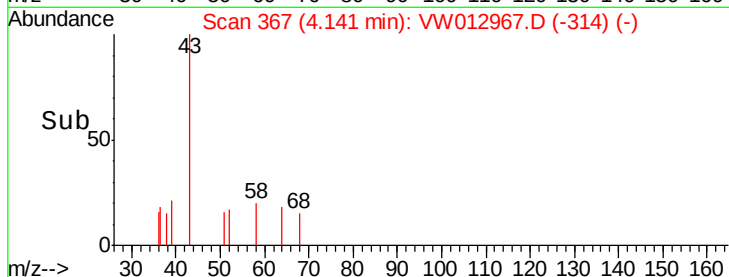
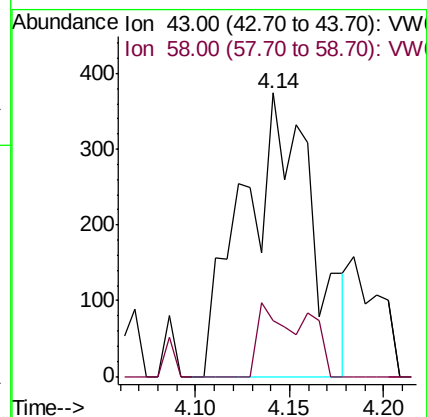
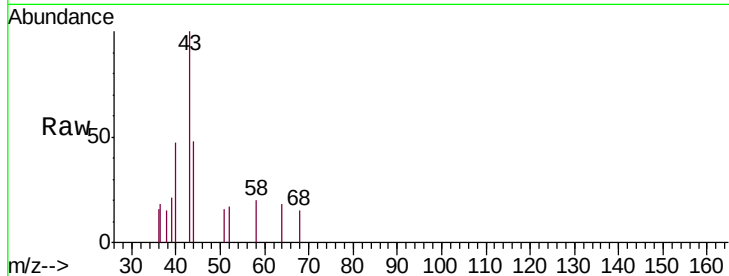
T4-2-(1.5)-BRUCKNER

Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

43 100

58 19.5 22.3 33.5#



#20

Methylene Chloride

Concen: 2.365 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW012967.D

Acq: 13 Sep 2019 21:50

Tgt Ion: 84 Resp: 13938

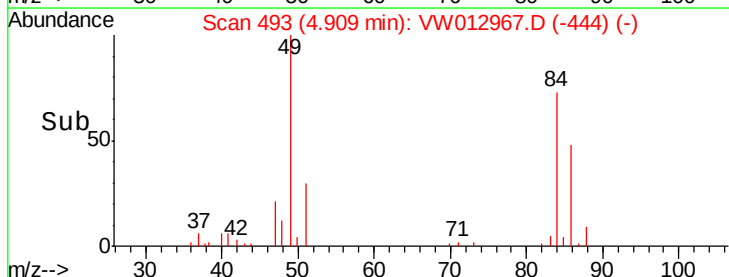
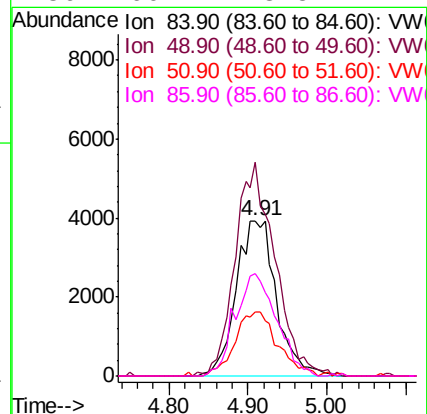
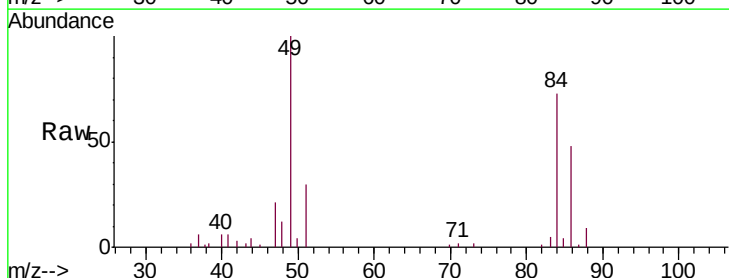
Ion Ratio Lower Upper

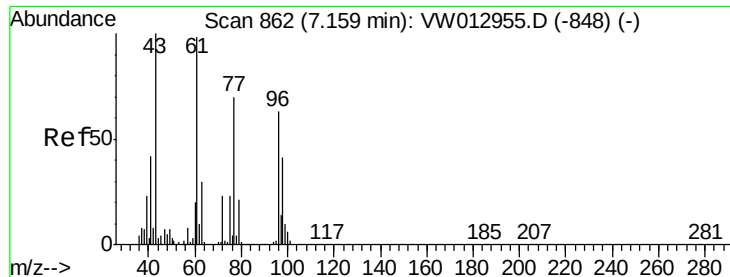
84 100

49 137.3 102.0 153.0

51 41.5 34.0 51.0

86 66.2 48.5 72.7

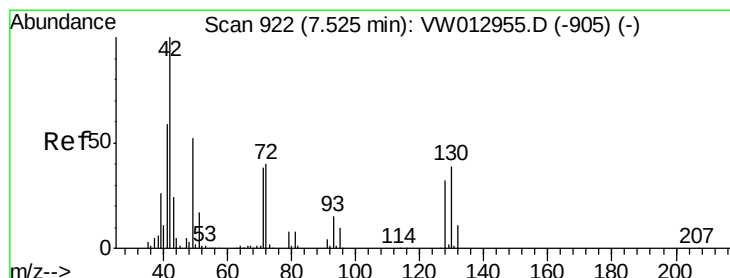
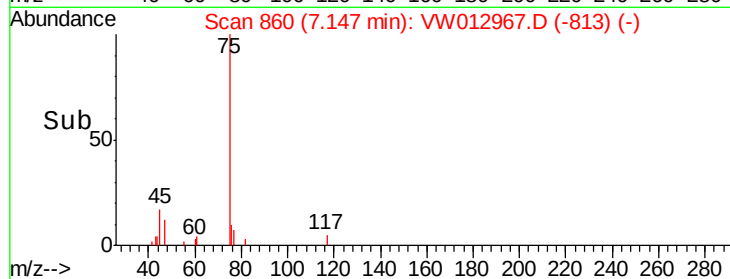
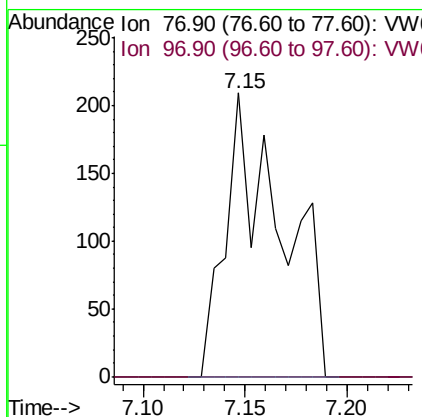
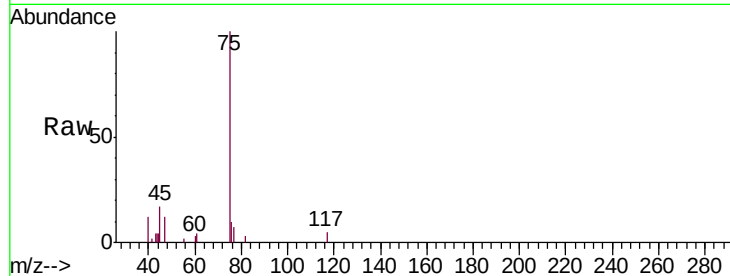




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: VW012967.D
 Acq: 13 Sep 2019 21:50

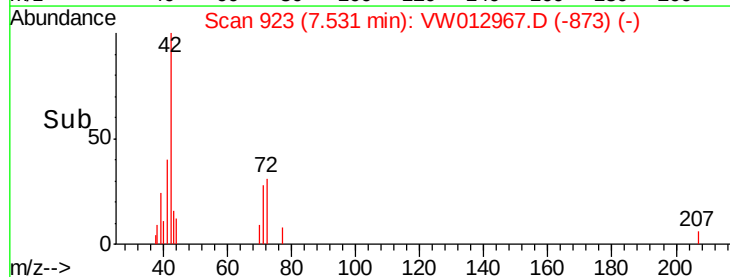
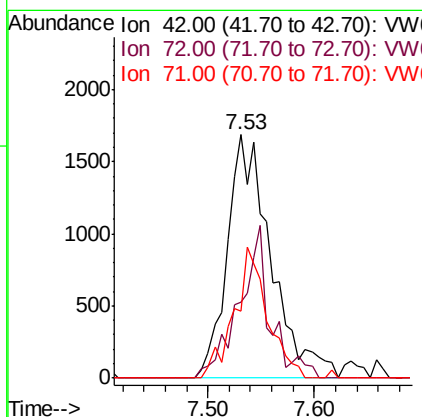
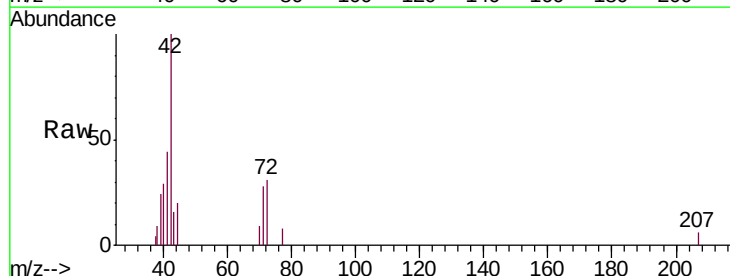
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2-(1.5)-BRUCKNER

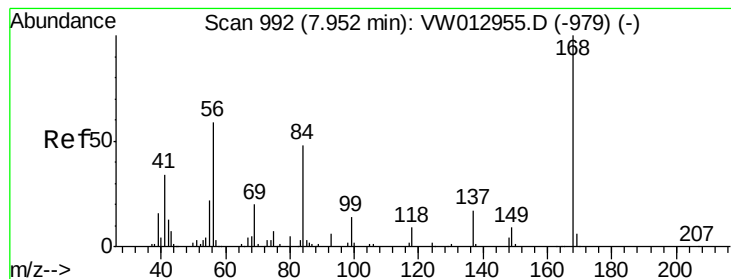
Tgt Ion: 77 Resp: 396
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 11.303 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW012967.D
 Acq: 13 Sep 2019 21:50

Tgt Ion: 42 Resp: 4836
 Ion Ratio Lower Upper
 42 100
 72 42.0 31.4 47.0
 71 40.9 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012967.D

Acq: 13 Sep 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

T4-2-(1.5)-BRUCKNER

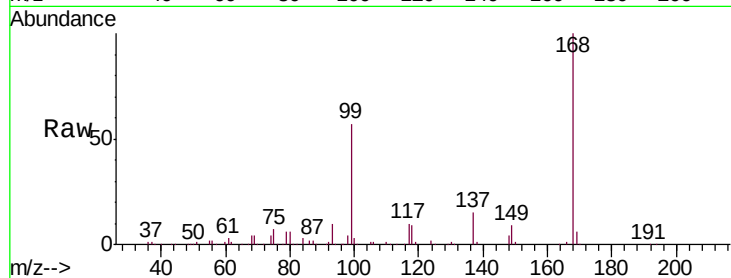
Tgt Ion: 56 Resp: 5386

Ion Ratio Lower Upper

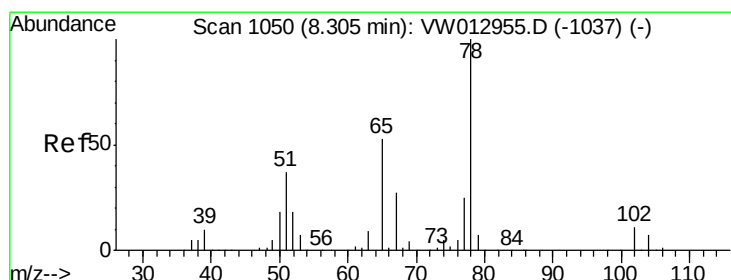
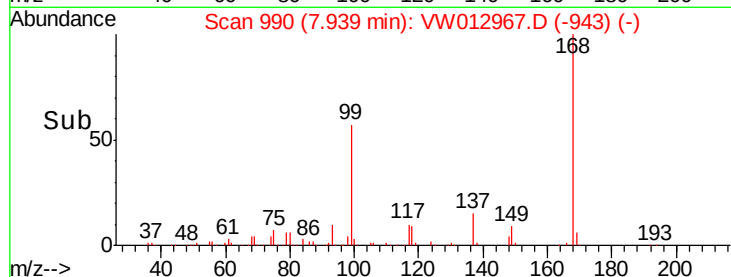
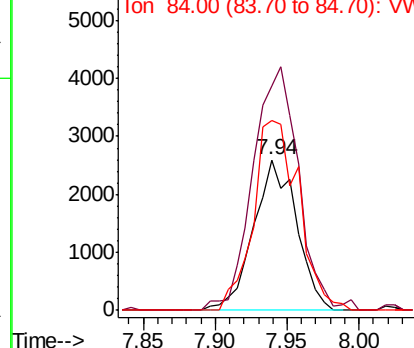
56 100

69 149.3 27.0 40.6#

84 126.0 66.2 99.2#



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: 57.505 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012967.D

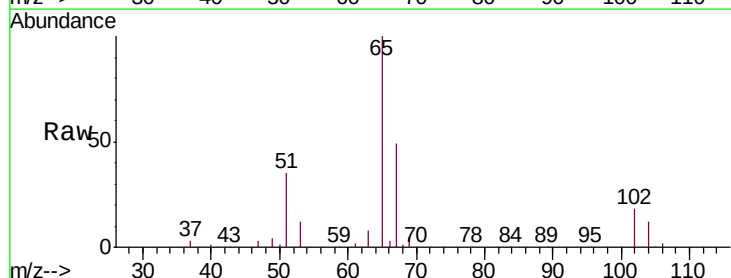
Acq: 13 Sep 2019 21:50

Tgt Ion: 65 Resp: 135794

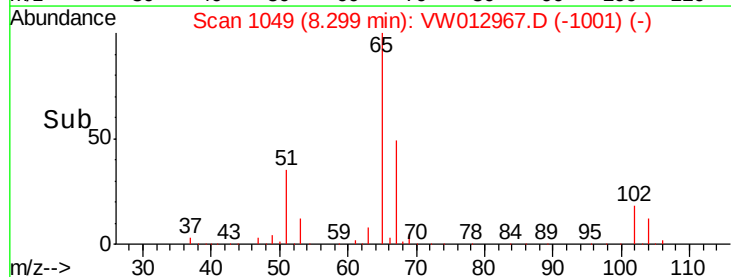
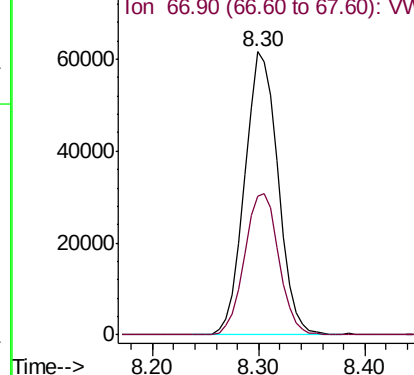
Ion Ratio Lower Upper

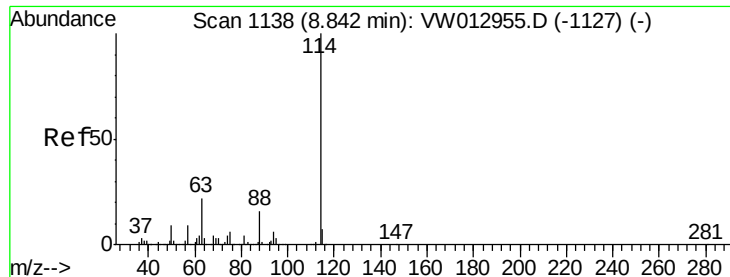
65 100

67 51.4 0.0 101.2



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: VW012967.D

Acq: 13 Sep 2019 21:50

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T4-2-(1.5)-BRUCKNER

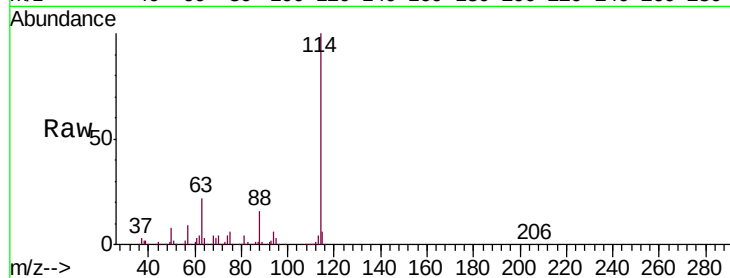
Tgt Ion:114 Resp: 381980

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

88 16.1 0.0 31.6



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

250000

200000

150000

100000

50000

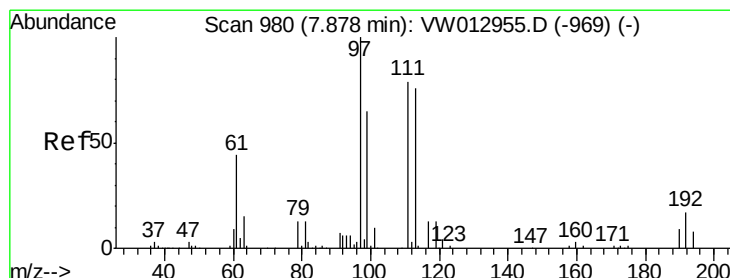
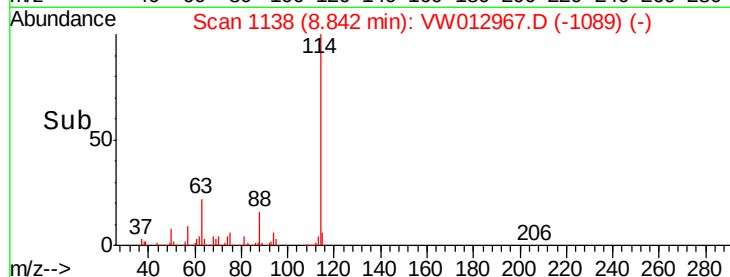
0

8.80

8.84

8.90

Time-->



#35

Dibromofluoromethane

Concen: 54.751 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW012967.D

Acq: 13 Sep 2019 21:50

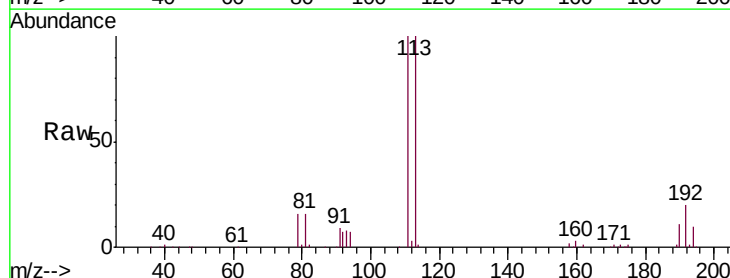
Tgt Ion:113 Resp: 113481

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

192 22.8 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

60000

50000

40000

30000

20000

10000

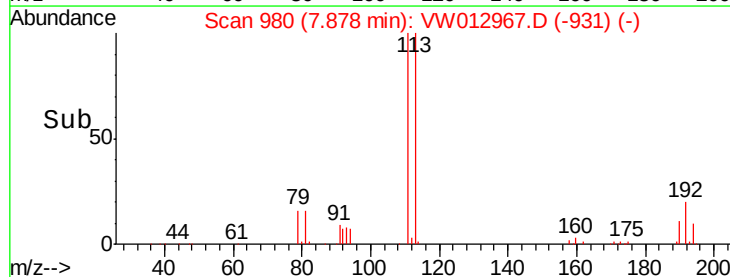
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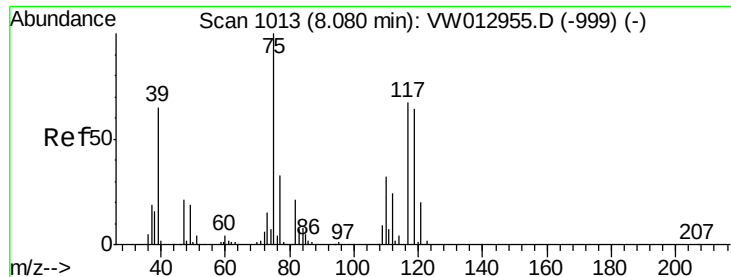
7.80

7.88

8.00

Time-->

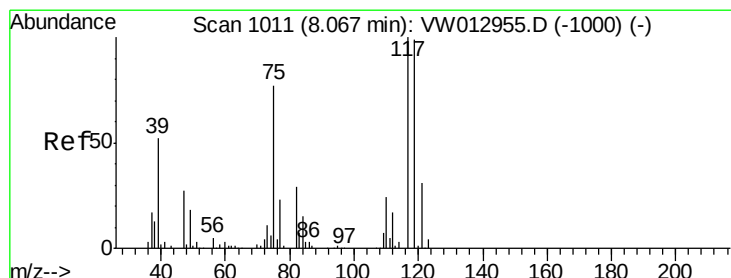
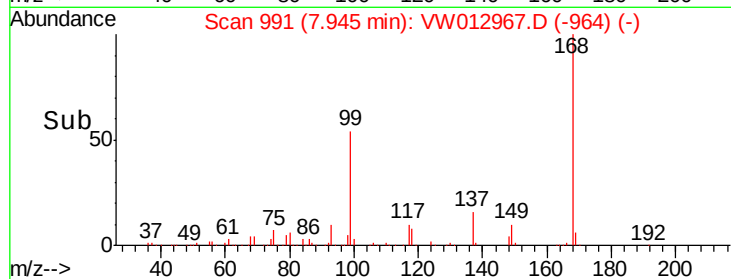
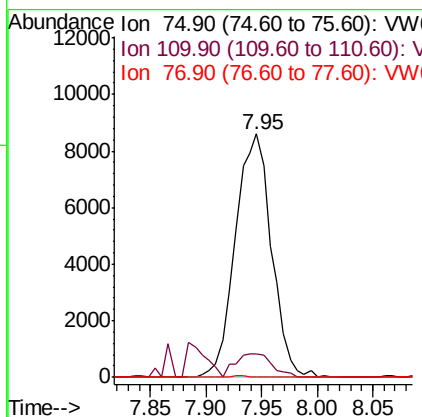
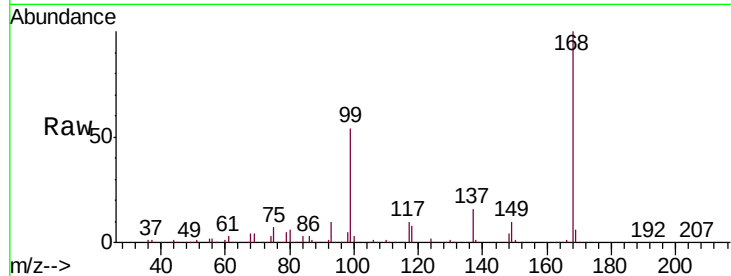




#36
 1,1-Dichloropropene
 Concen: 6.309 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012967.D
 Acq: 13 Sep 2019 21:50

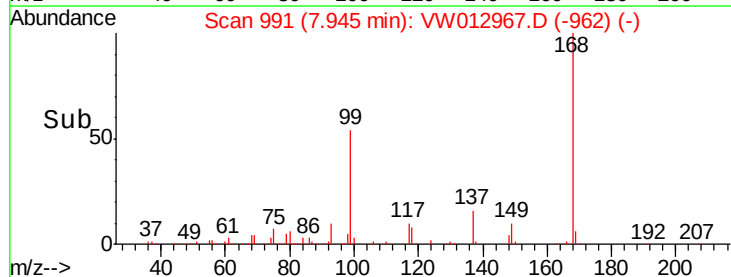
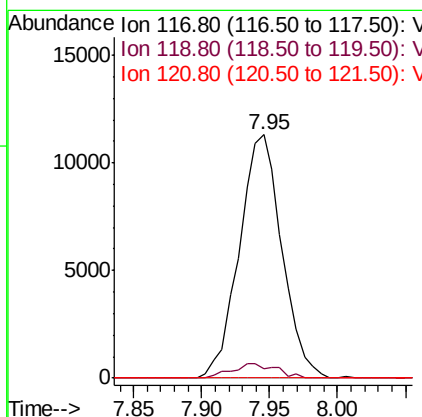
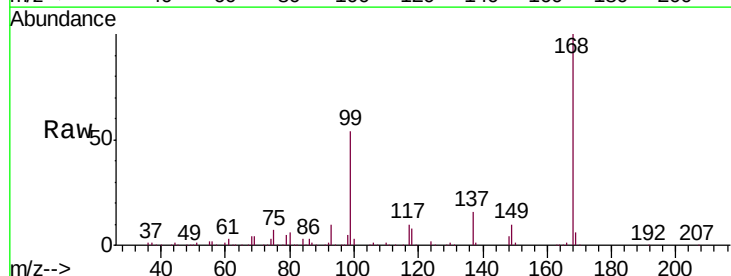
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2-(1.5)-BRUCKNER

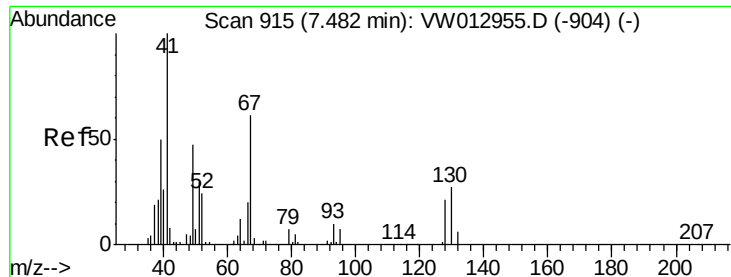
Tgt Ion: 75 Resp: 19257
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.4 49.1#
 77 0.2 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.895 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012967.D
 Acq: 13 Sep 2019 21:50

Tgt Ion: 117 Resp: 24695
 Ion Ratio Lower Upper
 117 100
 119 4.1 79.4 119.0#
 121 0.0 24.6 36.8#

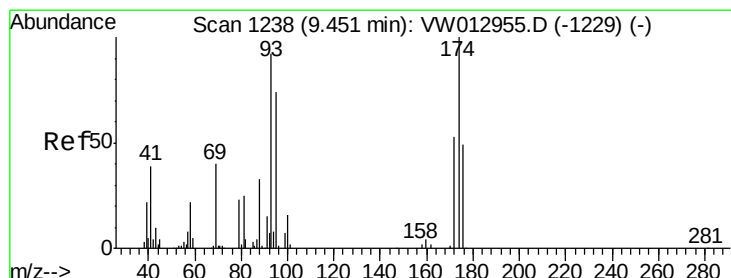
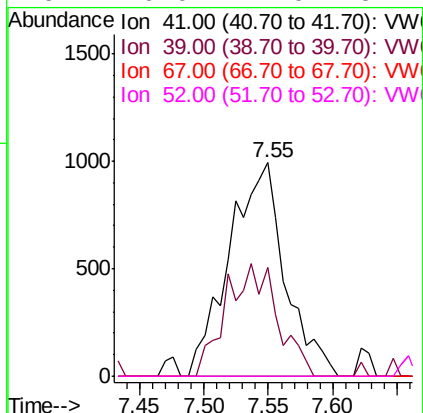
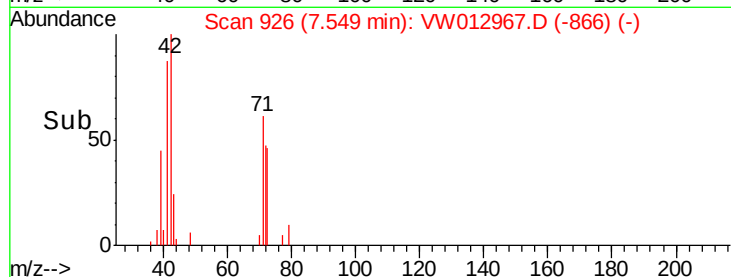
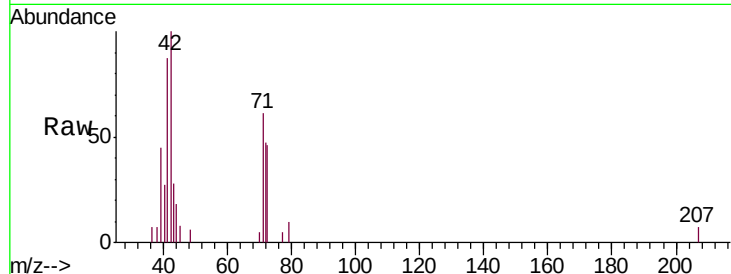




#41
Methacrylonitrile
Concen: 2.795 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.07 min
Lab File: VW012967.D
Acq: 13 Sep 2019 21:50

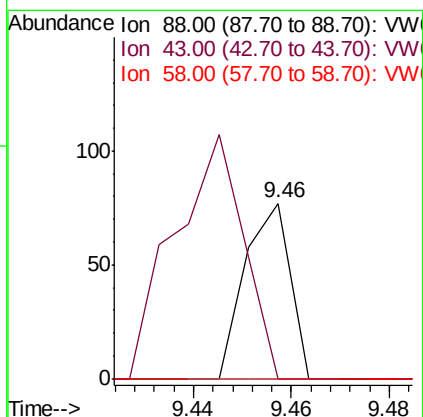
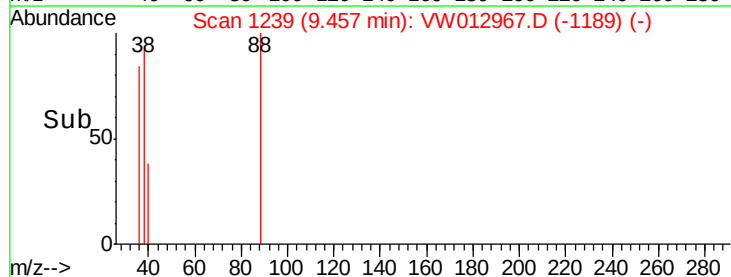
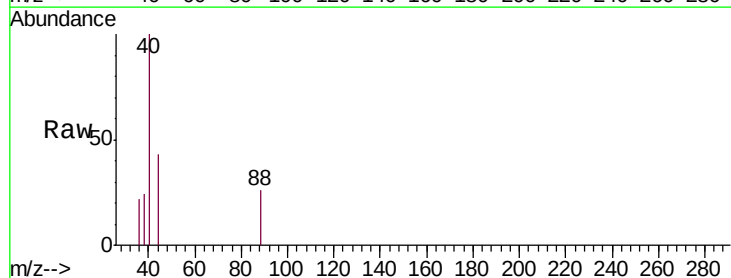
Instrument :
MSVOA_W
ClientSampleId :
T4-2-(1.5)-BRUCKNER

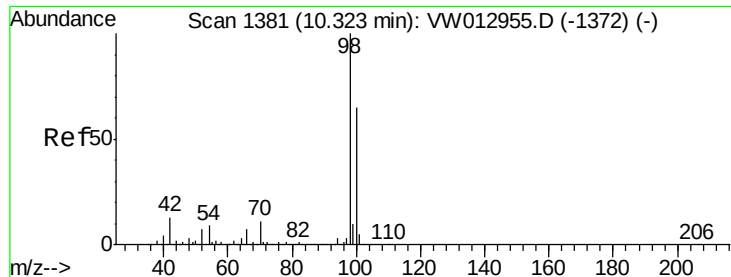
Tgt Ion:	41	Resp:	2982
Ion	Ratio	Lower	Upper
41	100		
39	48.6	48.2	72.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.4#



#49
1,4-Dioxane
Concen: 2.696 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012967.D
Acq: 13 Sep 2019 21:50

Tgt Ion:	88	Resp:	49
Ion	Ratio	Lower	Upper
88	100		
43	214.3	31.3	46.9#
58	0.0	60.2	90.2#

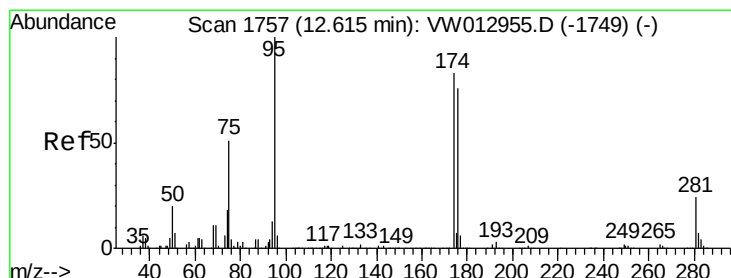
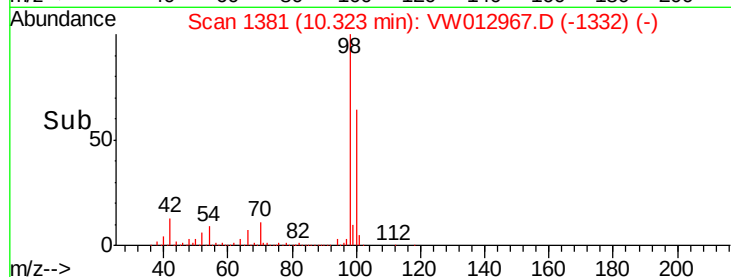
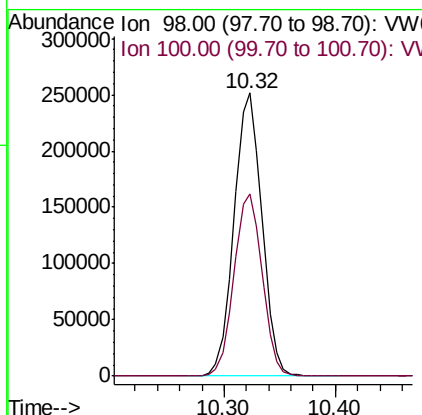
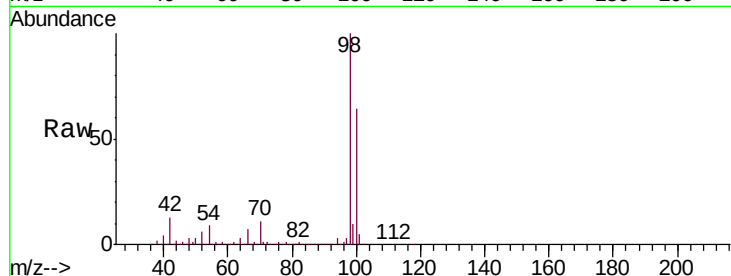




#50
Toluene-d8
Concen: 53.835 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012967.D
Acq: 13 Sep 2019 21:50

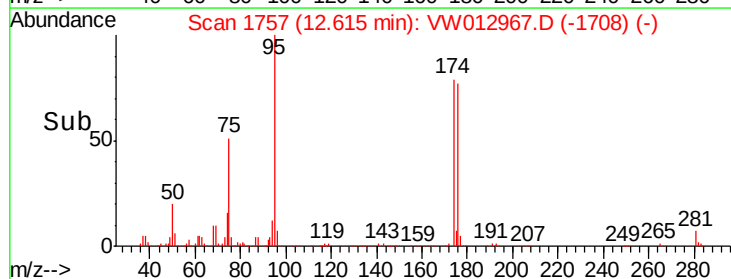
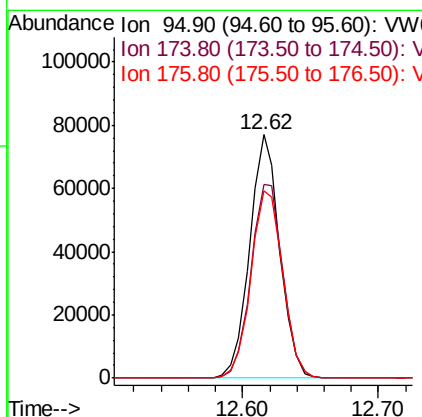
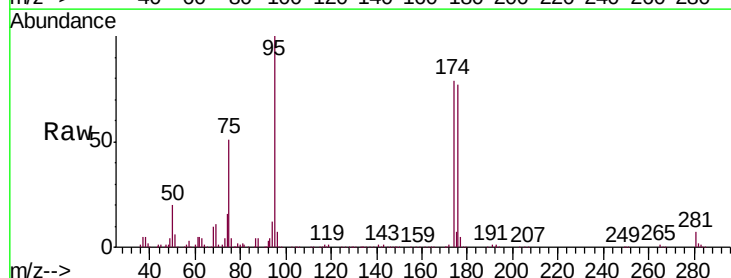
Instrument :
MSVOA_W
ClientSampleId :
T4-2-(1.5)-BRUCKNER

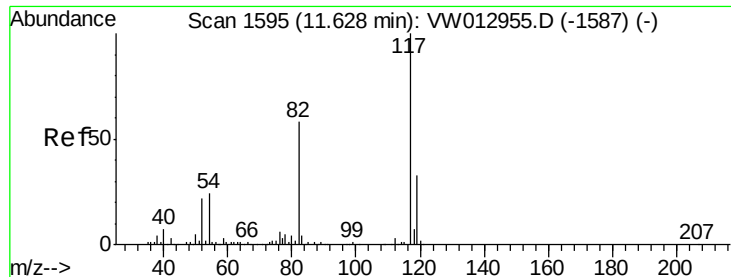
Tgt Ion: 98 Resp: 436632
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.850 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012967.D
Acq: 13 Sep 2019 21:50

Tgt Ion: 95 Resp: 119135
Ion Ratio Lower Upper
95 100
174 84.7 0.0 170.4
176 82.0 0.0 164.6

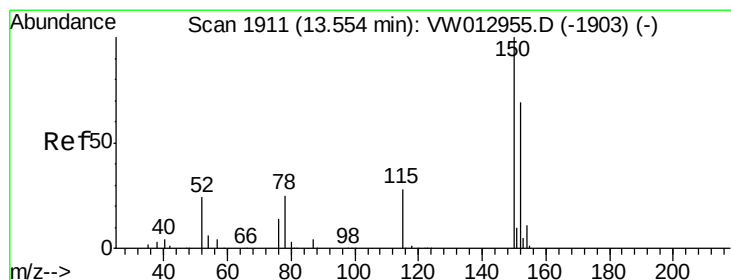
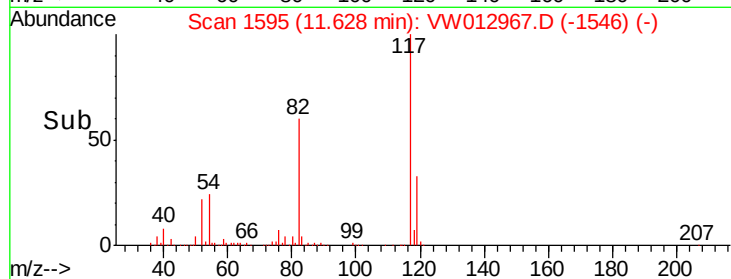
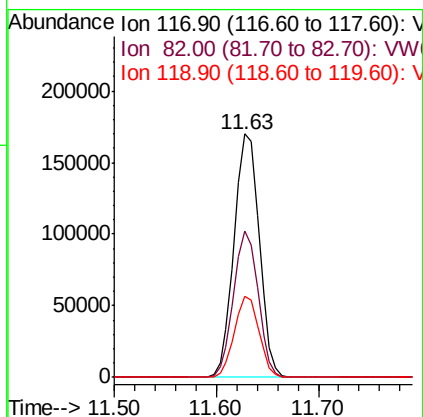
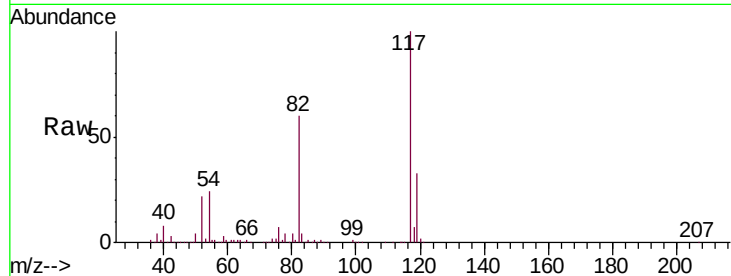




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012967.D
Acq: 13 Sep 2019 21:50

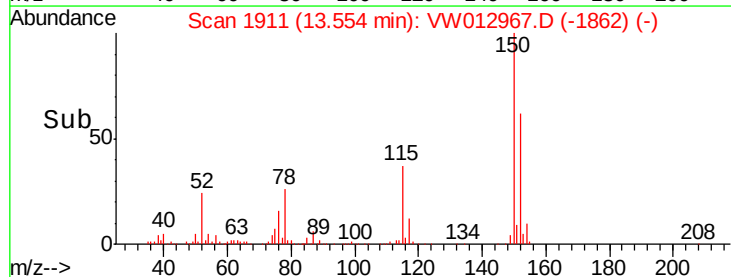
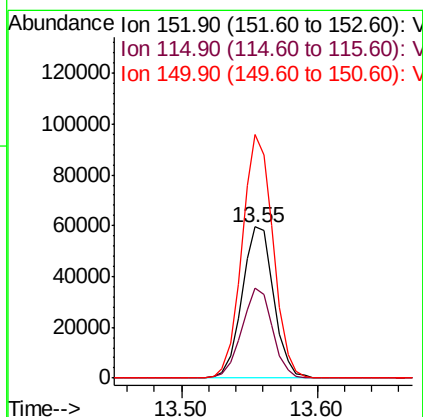
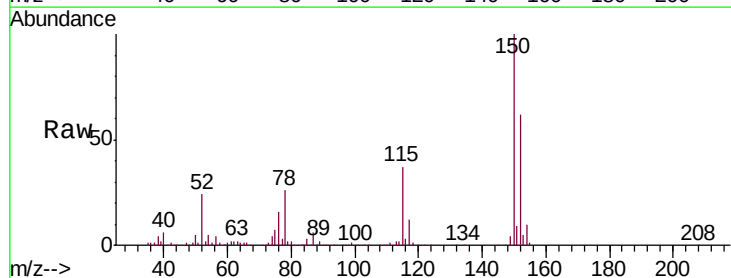
Instrument :
MSVOA_W
ClientSampleId :
T4-2-(1.5)-BRUCKNER

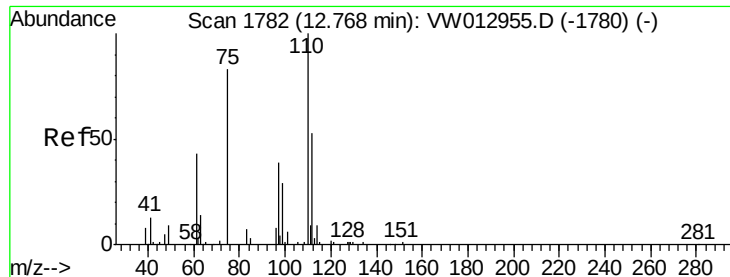
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.3	69.5
119	33.1	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW012967.D
Acq: 13 Sep 2019 21:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.8	86.4
150	157.2	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 73.708 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012967.D

Acq: 13 Sep 2019 21:50

Instrument :

MSVOA_W

ClientSampleId :

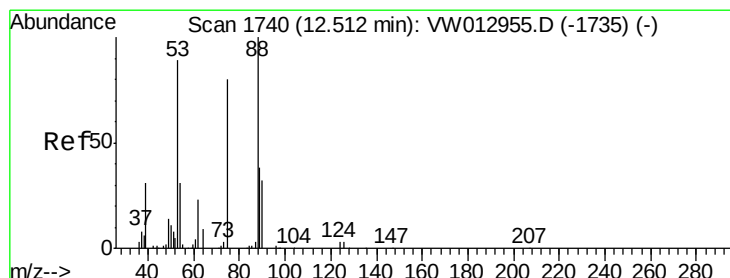
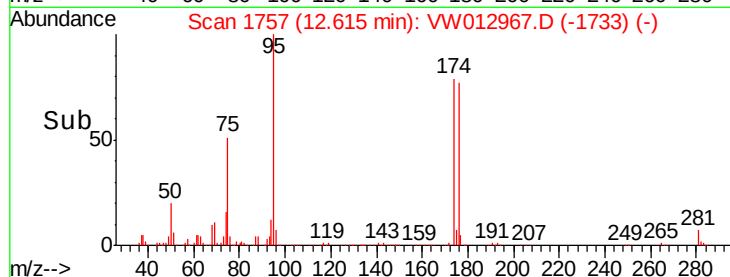
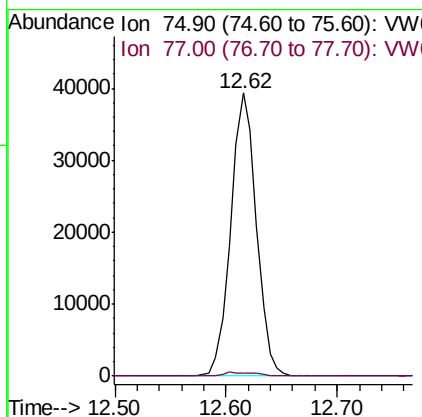
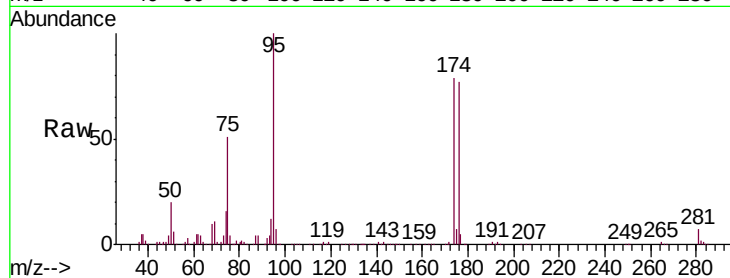
T4-2-(1.5)-BRUCKNER

Tgt Ion: 75 Resp: 62470

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 167.205 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012967.D

Acq: 13 Sep 2019 21:50

Tgt Ion: 75 Resp: 62470

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.1 37.2 55.8#

