

Data File : VW012966.D
Acq On : 13 Sep 2019 21:24
Operator : SY/VA
Sample : K4719-04
Misc : 5.48G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-BRUCKNER

Quant Time: Sep 14 04:24:03 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	264055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97940	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	141593	58.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.12%	
35) Dibromofluoromethane	7.88	113	117616	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	10.32	98	454071	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.61	95	124842	41.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.34%	

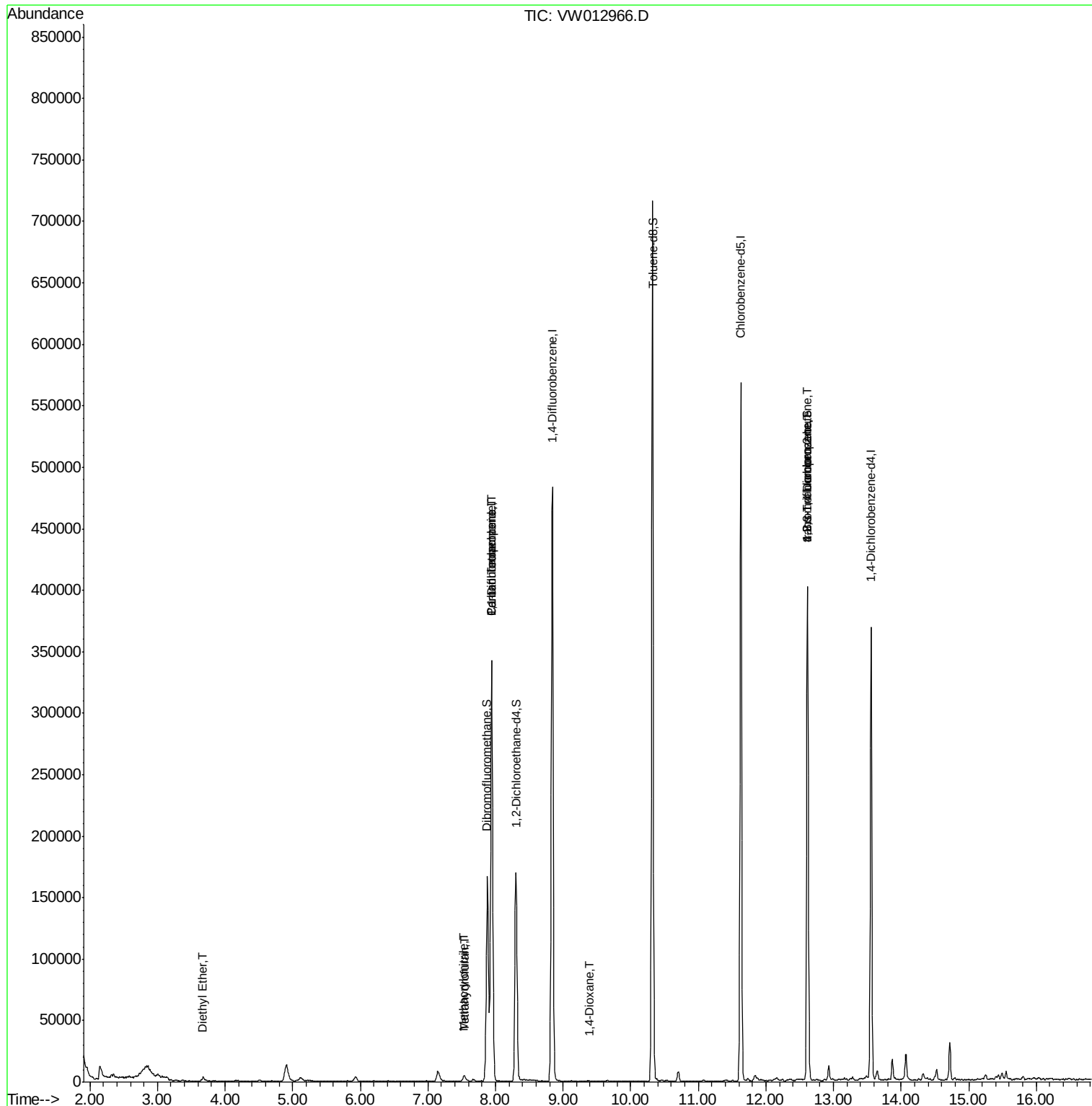
Target Compounds			Qvalue			
3) Chloromethane	2.21	50	443	Below Cal	#	41
8) Diethyl Ether	3.67	74	1546	1.498	ug/l	78
11) Tert butyl alcohol	5.12	59	3058	Below Cal	#	79
13) Acrolein	3.82	56	115	Below Cal	#	1
16) Acetone	4.13	43	963	Below Cal		95
26) 2,2-Dichloropropane	7.13	77	691	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	3950	8.940	ug/l	97
31) Cyclohexane	7.94	56	5799	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	19646	6.189	ug/l	51
38) Carbon Tetrachloride	7.95	117	26098	8.023	ug/l	14
41) Methacrylonitrile	7.52	41	2594	2.338	ug/l	56
49) 1,4-Dioxane	9.38	88	22	1.164	ug/l	16
76) 1,2,3-Trichloropropane	12.61	75	65522	76.377	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.61	75	65522	173.260	ug/l	7

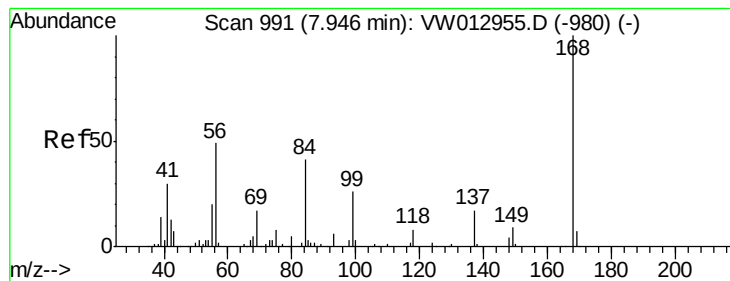
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012966.D
Acq On : 13 Sep 2019 21:24
Operator : SY/VA
Sample : K4719-04
Misc : 5.48G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-BRUCKNER

Quant Time: Sep 14 04:24:03 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012966.D

Acq: 13 Sep 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

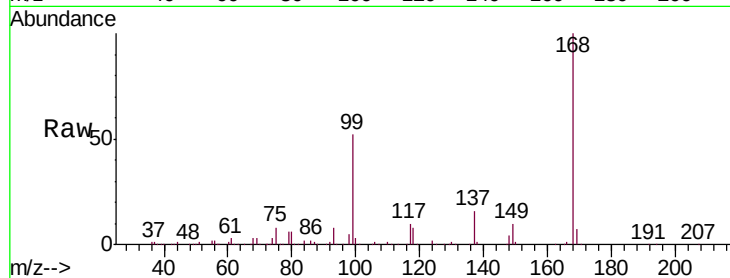
T4-2(0)-BRUCKNER

Tgt Ion:168 Resp: 264055

Ion Ratio Lower Upper

168 100

99 52.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

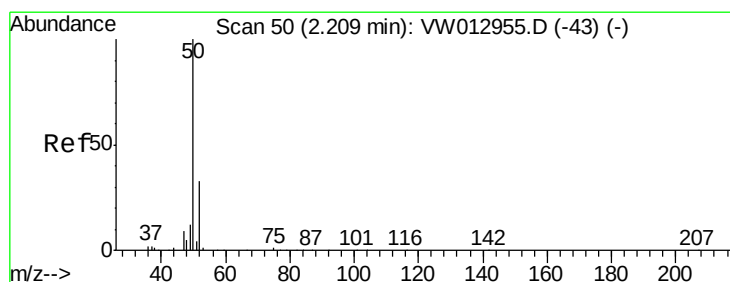
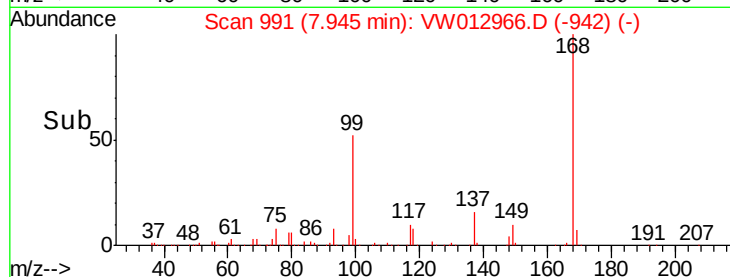
7.95

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012966.D

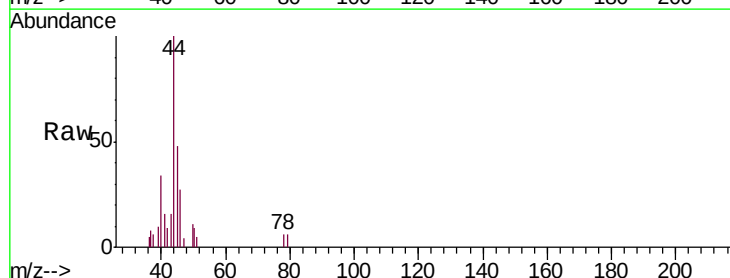
Acq: 13 Sep 2019 21:24

Tgt Ion: 50 Resp: 443

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

2.21

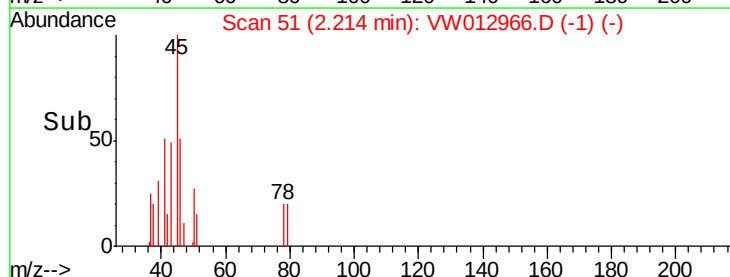
300

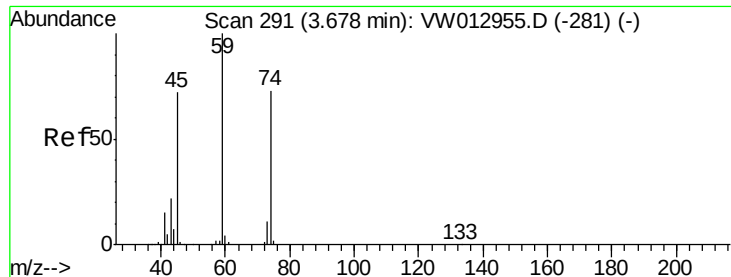
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.498 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012966.D

Acq: 13 Sep 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

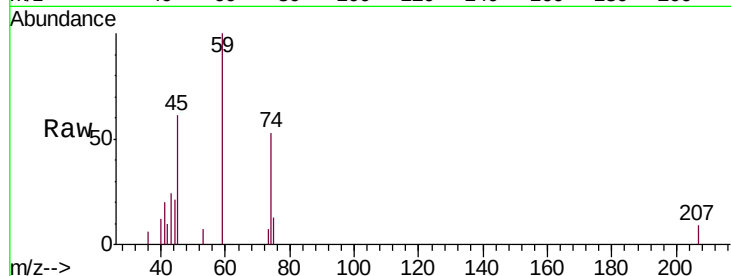
T4-2-(0)-BRUCKNER

Tgt Ion: 74 Resp: 1546

Ion Ratio Lower Upper

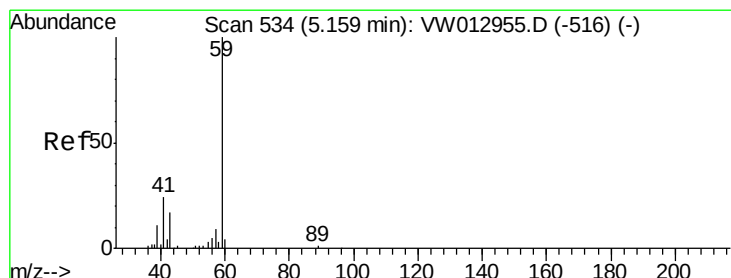
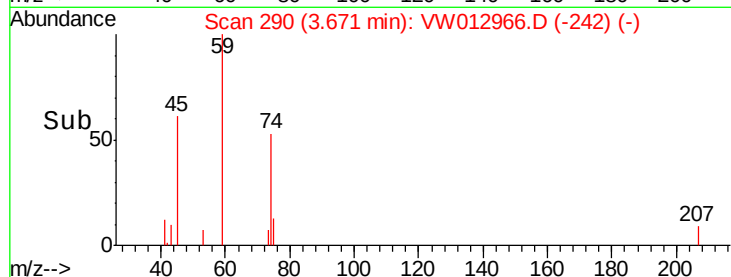
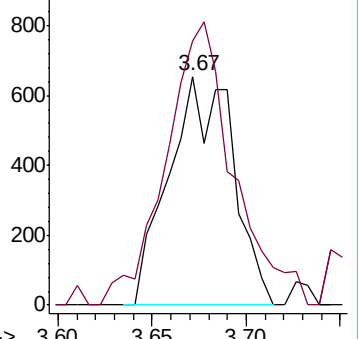
74 100

45 130.1 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: VW012966.D

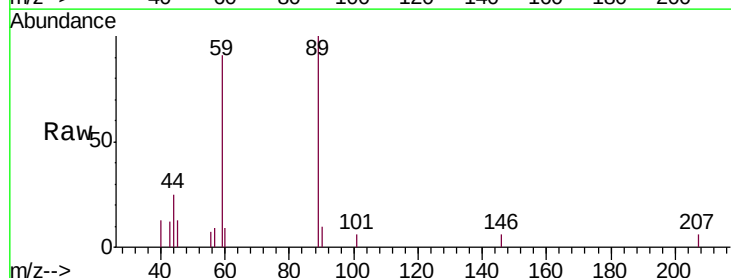
Acq: 13 Sep 2019 21:24

Tgt Ion: 59 Resp: 3058

Ion Ratio Lower Upper

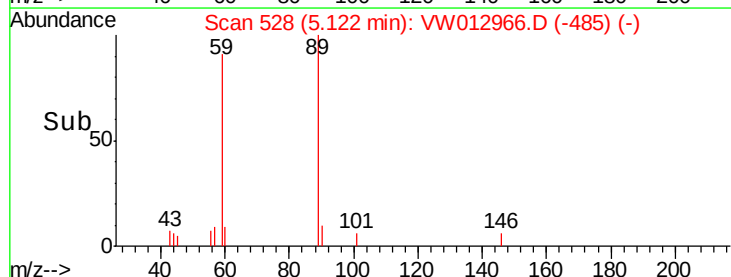
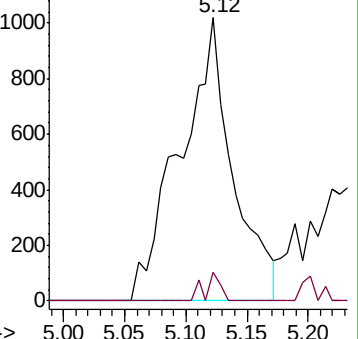
59 100

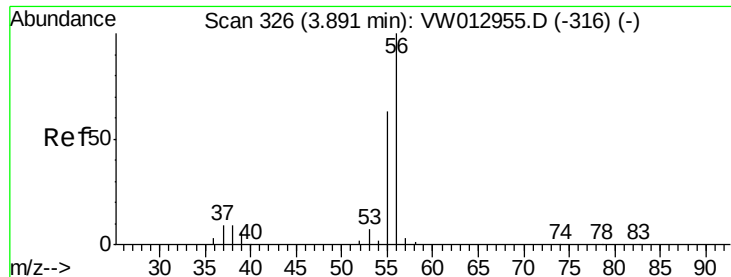
57 2.8 8.5 12.7#



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: 3.82 min Scan# 315

Delta R.T. -0.07 min

Lab File: VW012966.D

Acq: 13 Sep 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

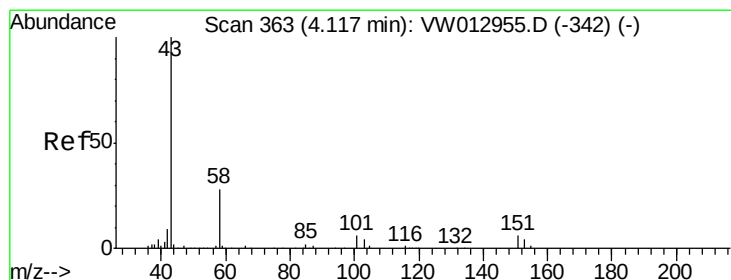
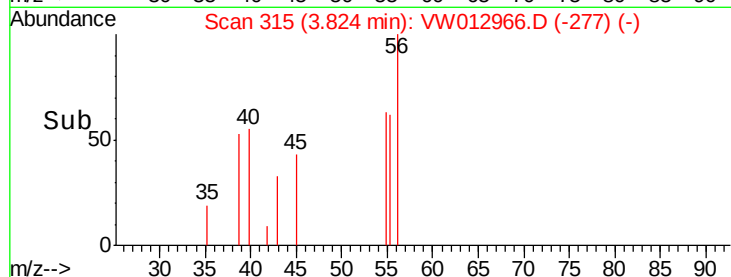
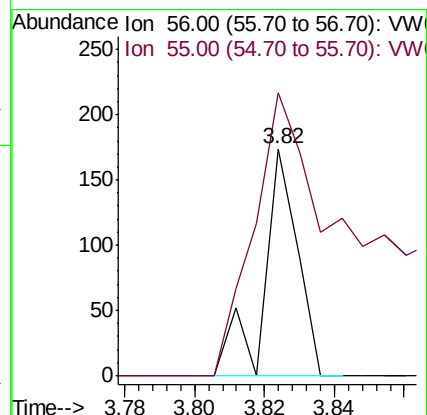
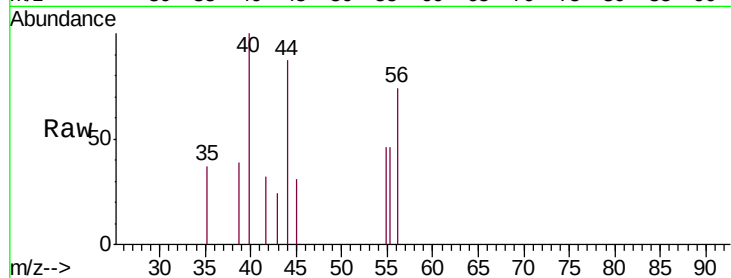
T4-2(0)-BRUCKNER

Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 399.1 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012966.D

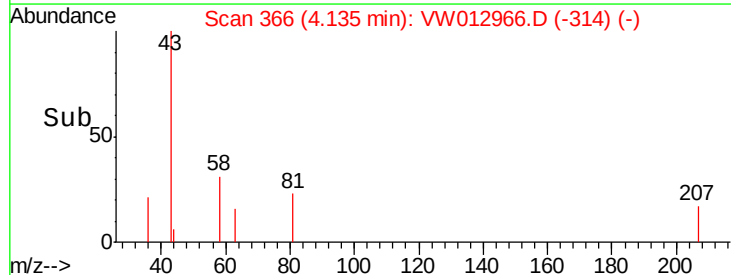
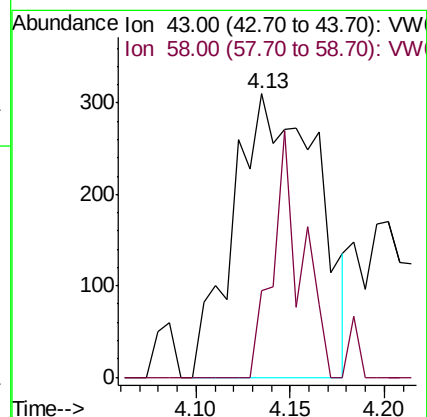
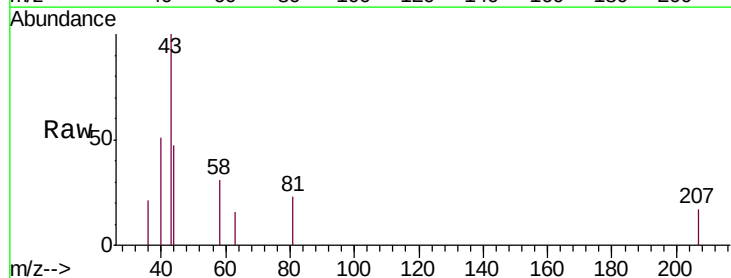
Acq: 13 Sep 2019 21:24

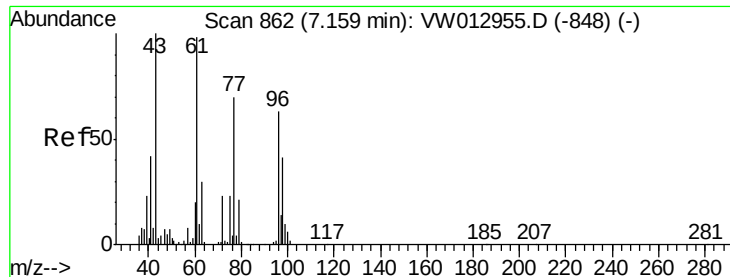
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

58 30.6 22.3 33.5

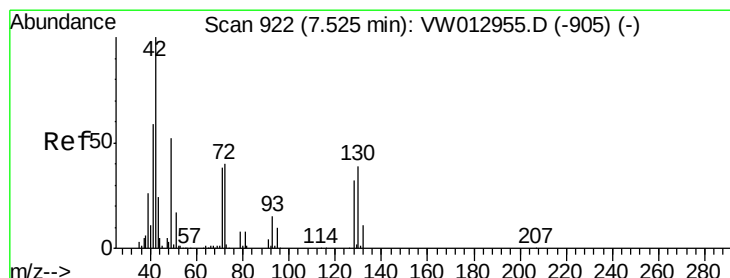
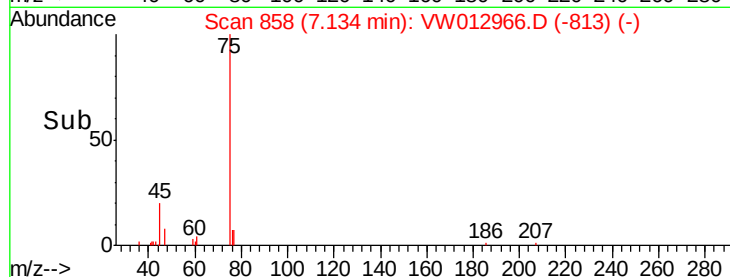
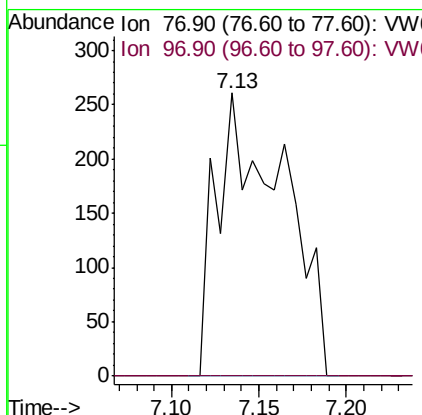
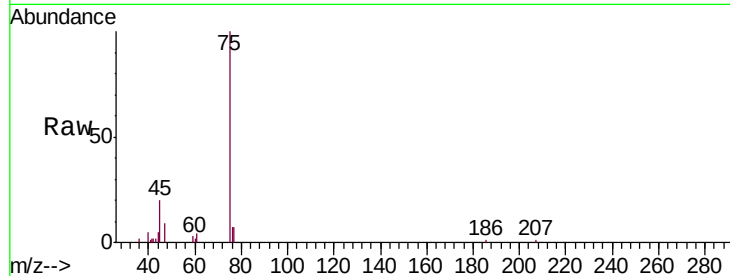




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.13 min Scan# 858
 Delta R.T. -0.02 min
 Lab File: VW012966.D
 Acq: 13 Sep 2019 21:24

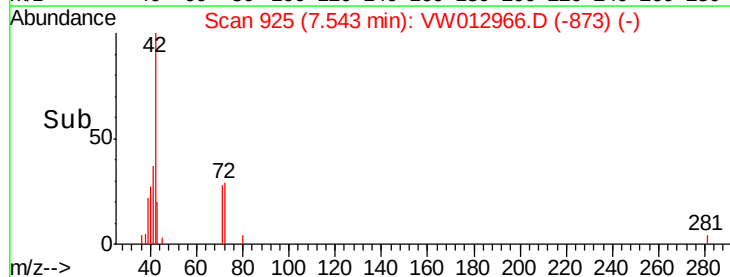
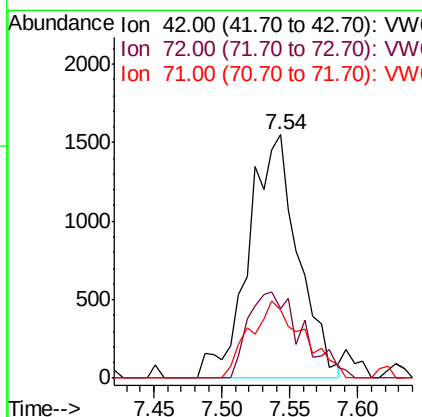
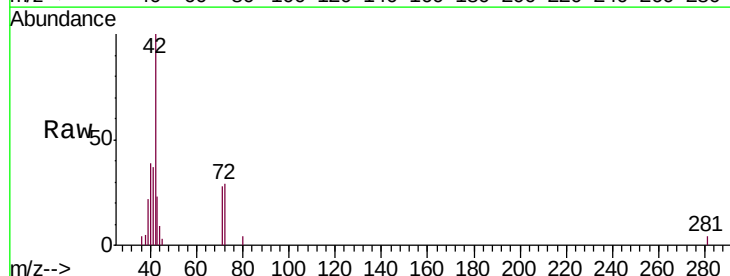
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2-(0)-BRUCKNER

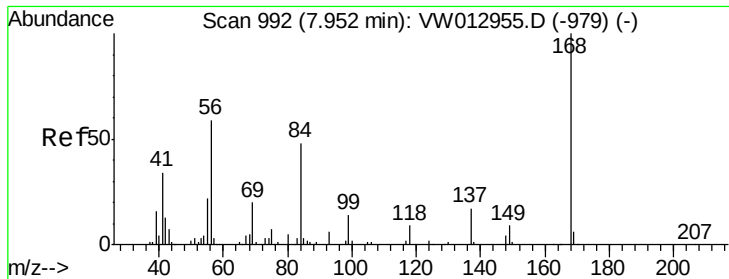
Tgt Ion: 77 Resp: 691
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 8.940 ug/l
 RT: 7.54 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VW012966.D
 Acq: 13 Sep 2019 21:24

Tgt Ion: 42 Resp: 3950
 Ion Ratio Lower Upper
 42 100
 72 38.8 31.4 47.0
 71 33.9 29.8 44.8

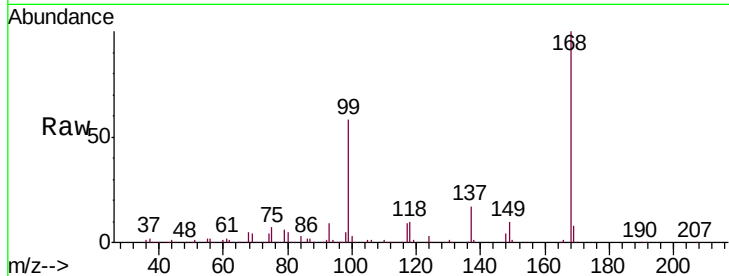




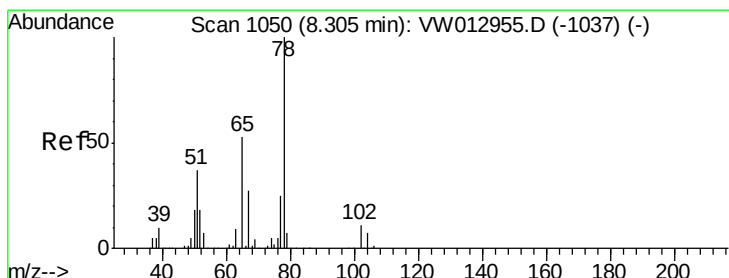
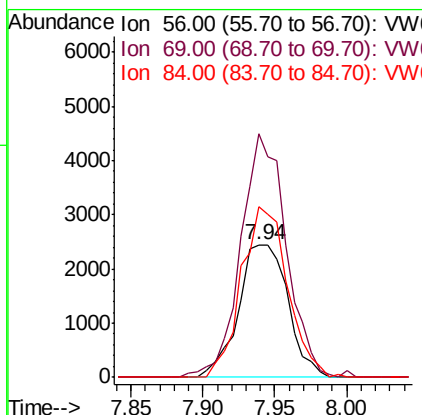
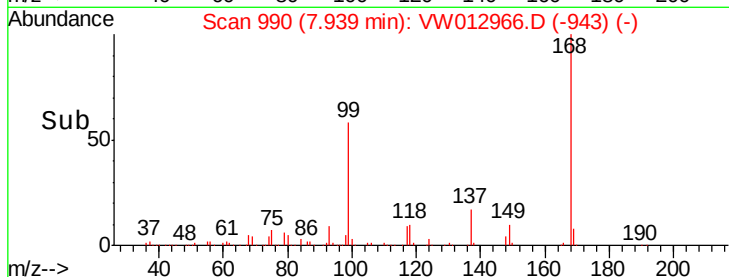
#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-BRUCKNER

Tgt Ion: 56 Resp: 5799
Ion Ratio Lower Upper
56 100
69 183.3 27.0 40.6#
84 128.4 66.2 99.2#

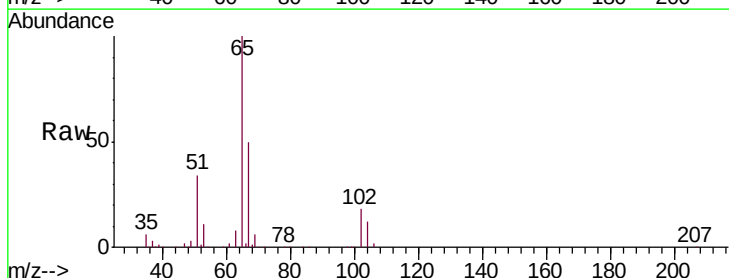


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

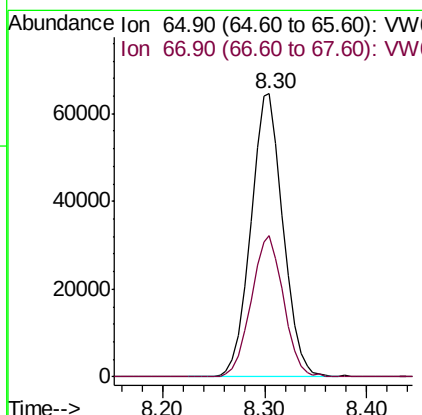
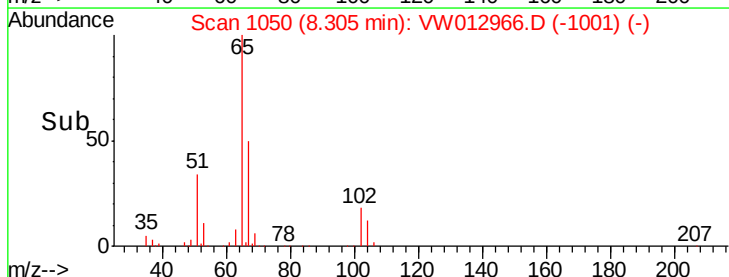


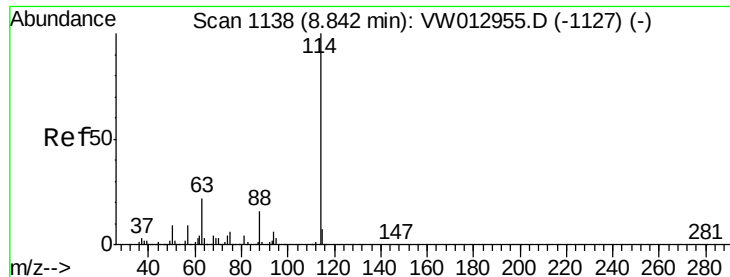
#33
1,2-Dichloroethane-d4
Concen: 58.060 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

Tgt Ion: 65 Resp: 141593
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.2



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

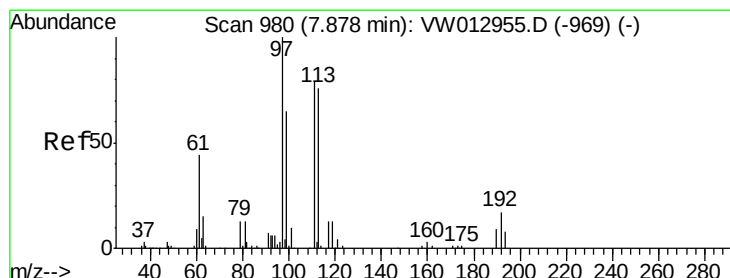
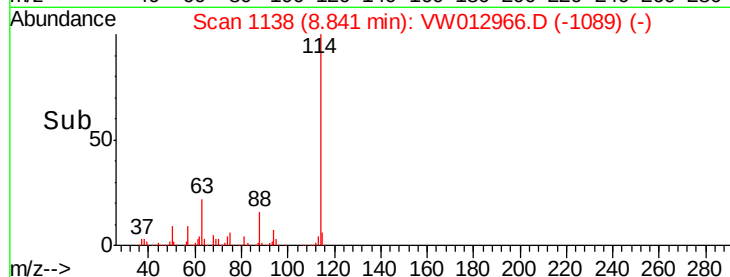
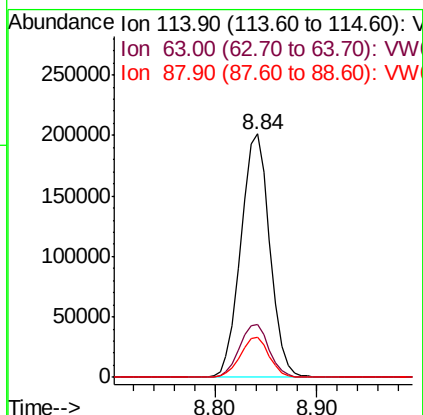
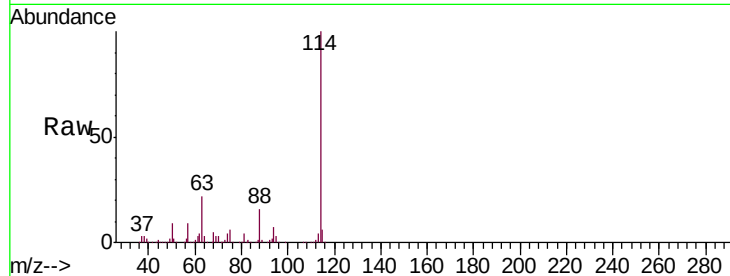




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012966.D
 Acq: 13 Sep 2019 21:24

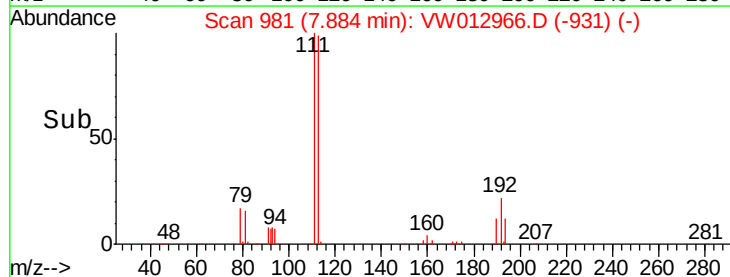
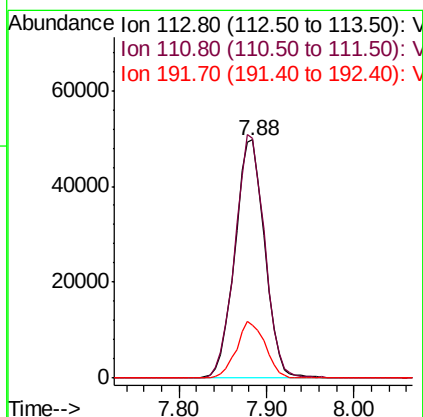
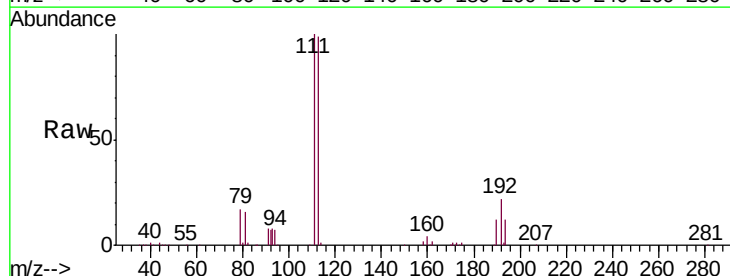
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2-(0)-BRUCKNER

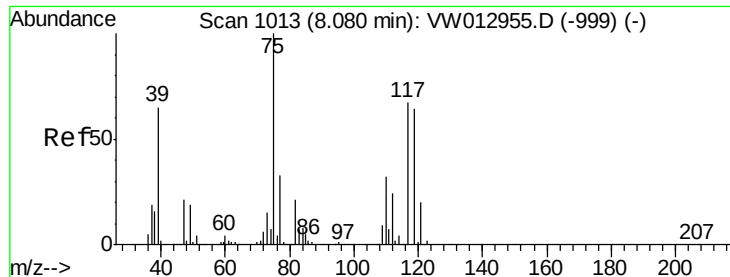
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.4	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 54.570 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012966.D
 Acq: 13 Sep 2019 21:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.8	124.2
192	23.0	17.8	26.8





#36

1,1-Dichloropropene

Concen: 6.189 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012966.D

Acq: 13 Sep 2019 21:24

Instrument :

MSVOA_W

ClientSampleId :

T4-2-(0)-BRUCKNER

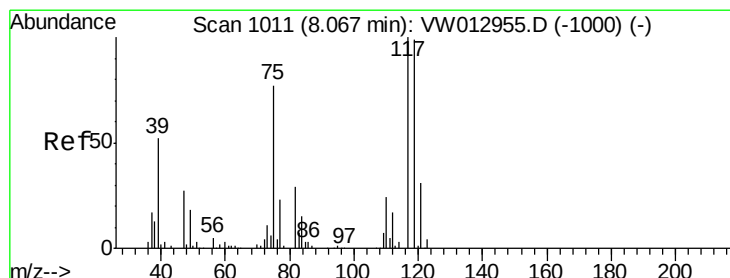
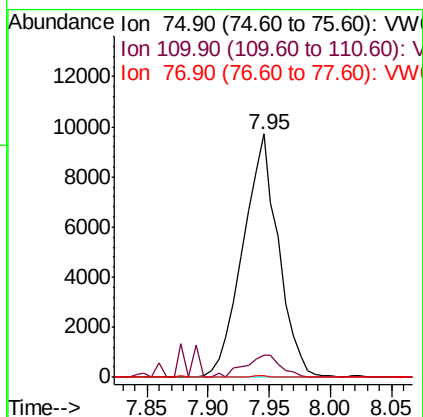
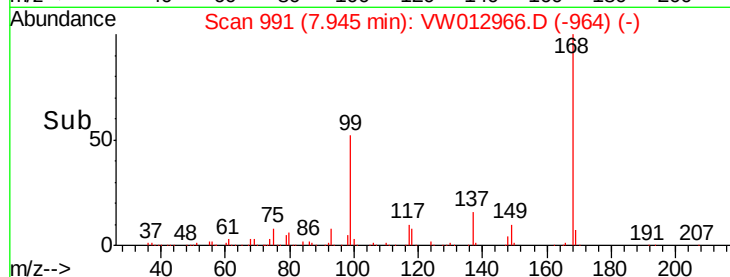
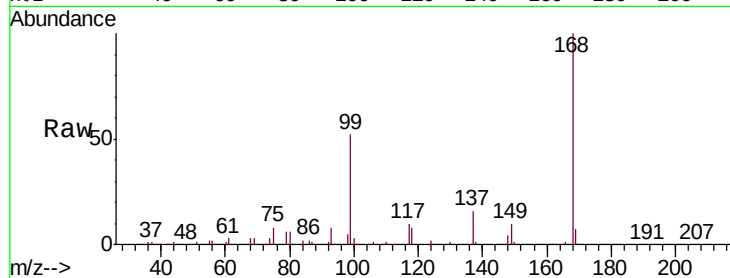
Tgt Ion: 75 Resp: 19646

Ion Ratio Lower Upper

75 100

110 9.2 16.4 49.1#

77 0.3 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 8.023 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012966.D

Acq: 13 Sep 2019 21:24

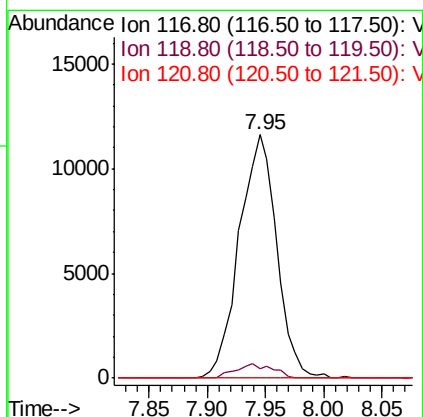
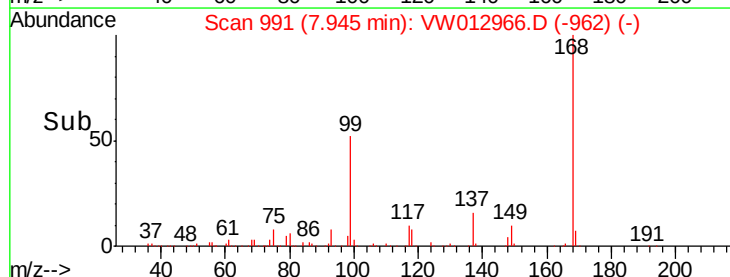
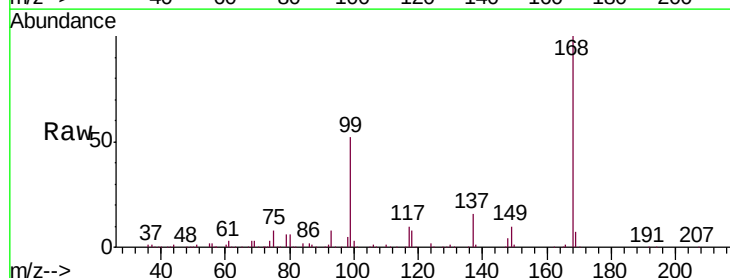
Tgt Ion: 117 Resp: 26098

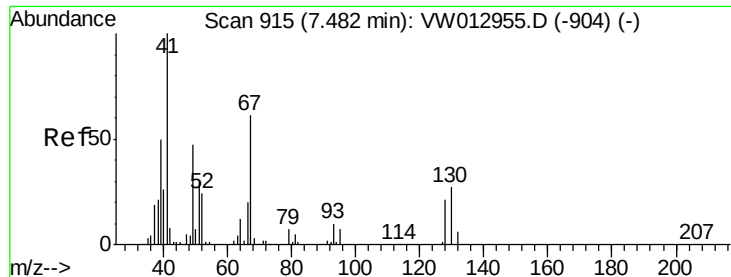
Ion Ratio Lower Upper

117 100

119 4.1 79.4 119.0#

121 0.0 24.6 36.8#

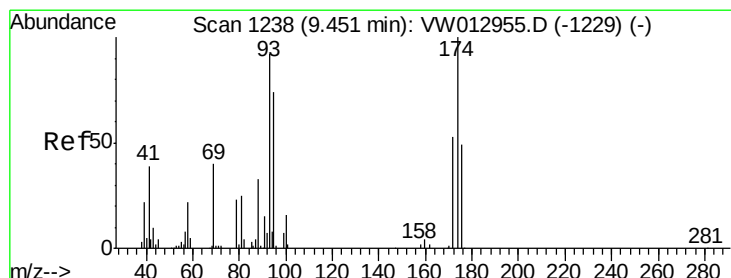
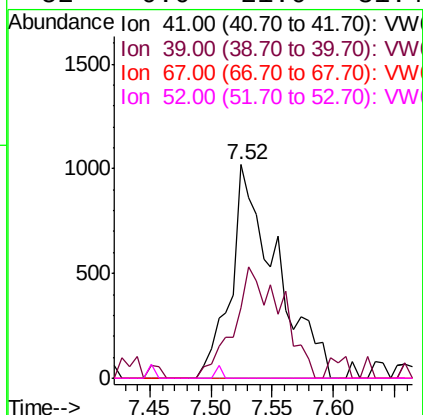
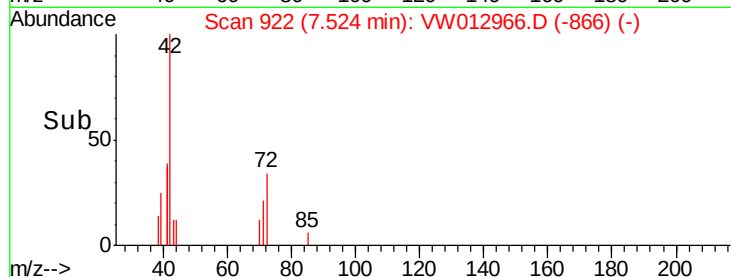
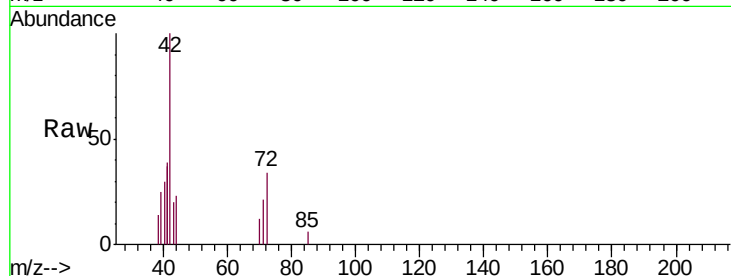




#41
Methacrylonitrile
Concen: 2.338 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

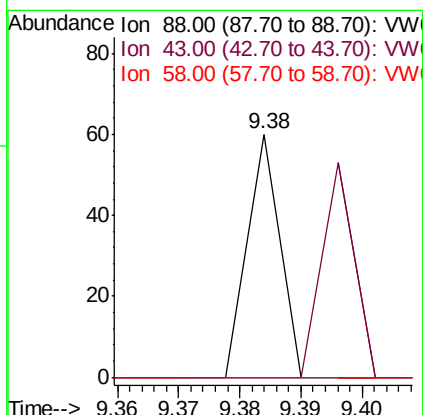
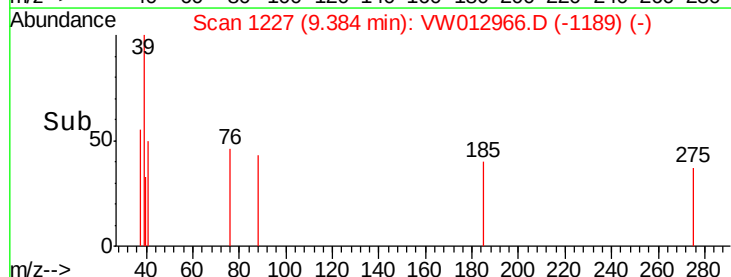
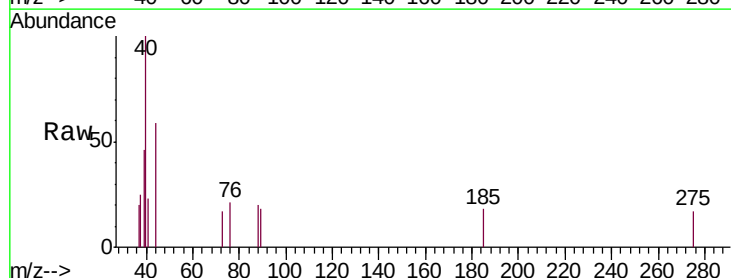
Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-BRUCKNER

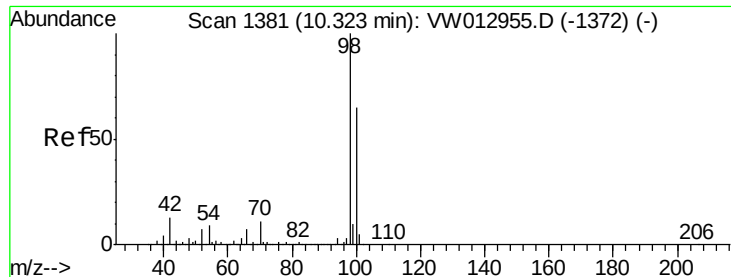
Tgt Ion:	41	Resp:	2594
Ion	Ratio	Lower	Upper
41	100		
39	55.0	48.2	72.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.4#



#49
1,4-Dioxane
Concen: 1.164 ug/l
RT: 9.38 min Scan# 1227
Delta R.T. -0.07 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

Tgt Ion:	88	Resp:	22
Ion	Ratio	Lower	Upper
88	100		
43	86.4	31.3	46.9#
58	0.0	60.2	90.2#

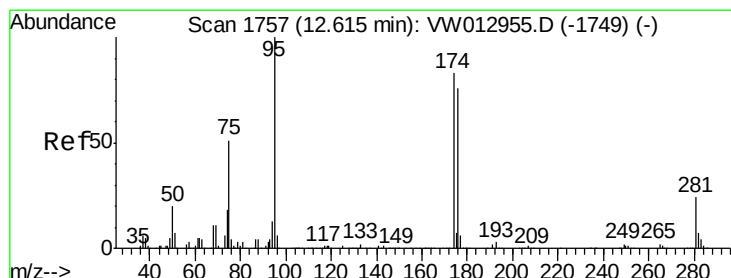
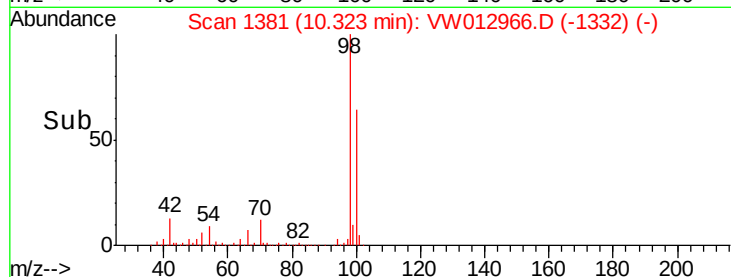
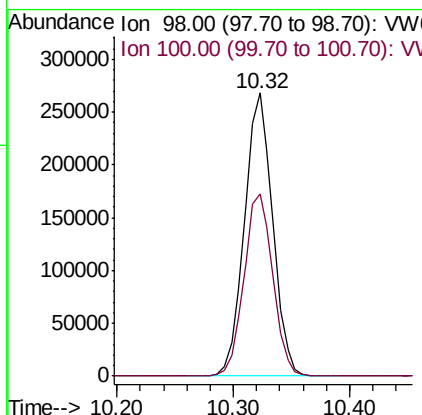
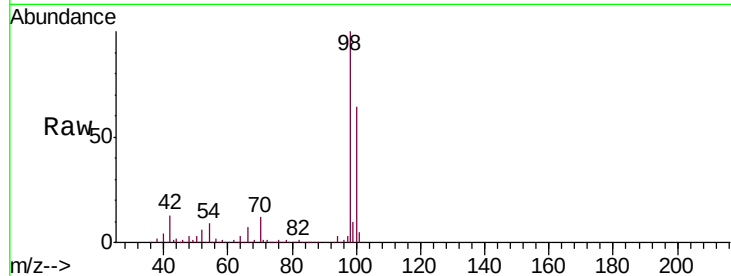




#50
Toluene-d8
Concen: 53.838 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

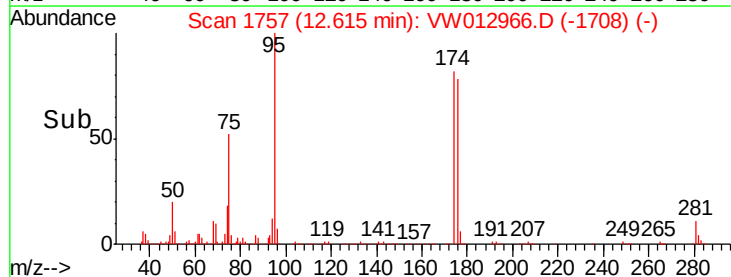
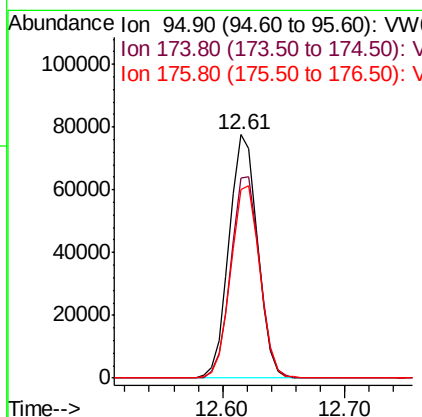
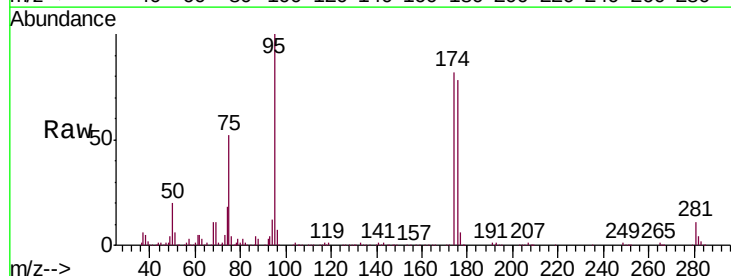
Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-BRUCKNER

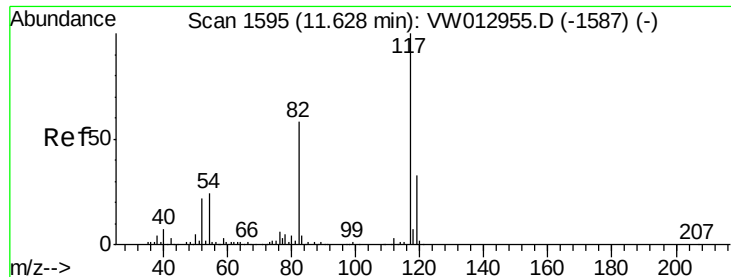
Tgt Ion: 98 Resp: 454071
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 41.165 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

Tgt Ion: 95 Resp: 124842
Ion Ratio Lower Upper
95 100
174 83.7 0.0 170.4
176 80.4 0.0 164.6

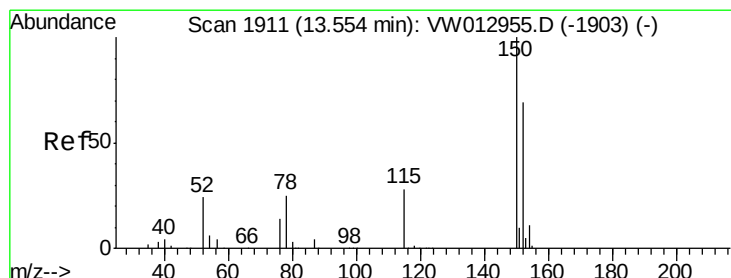
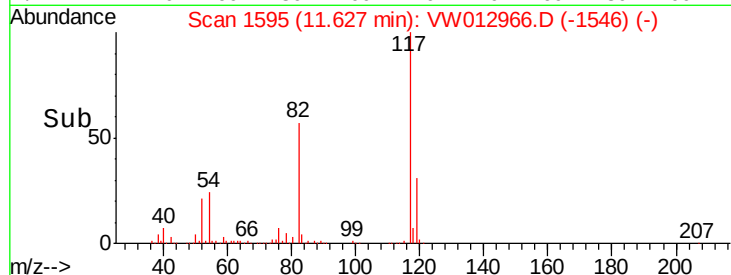
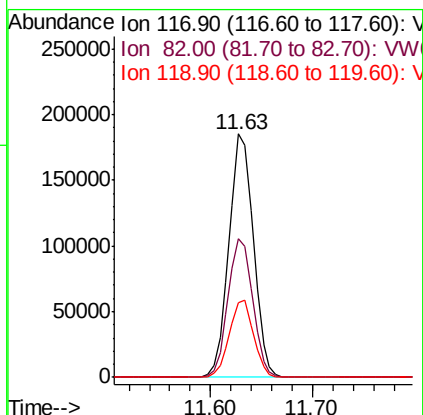
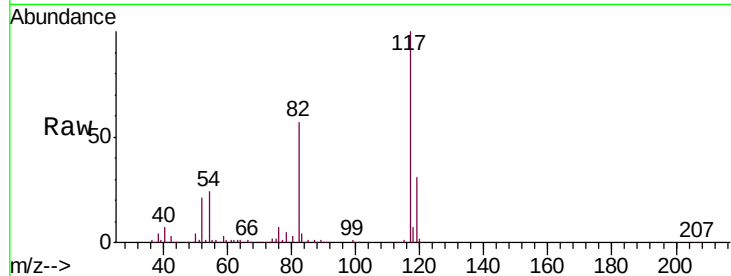




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

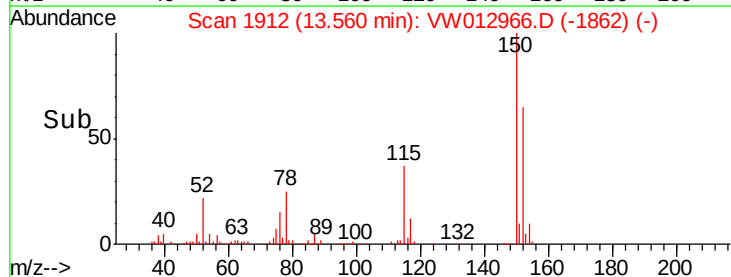
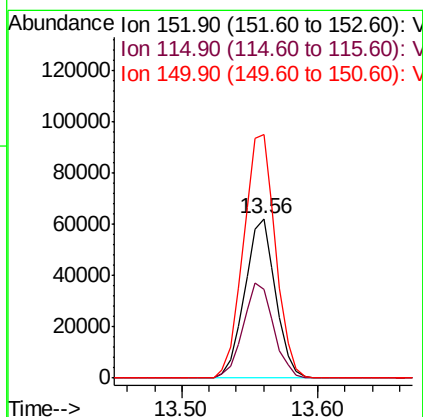
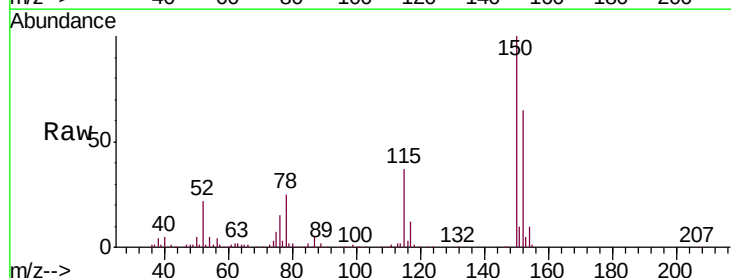
Instrument :
MSVOA_W
ClientSampleId :
T4-2-(0)-BRUCKNER

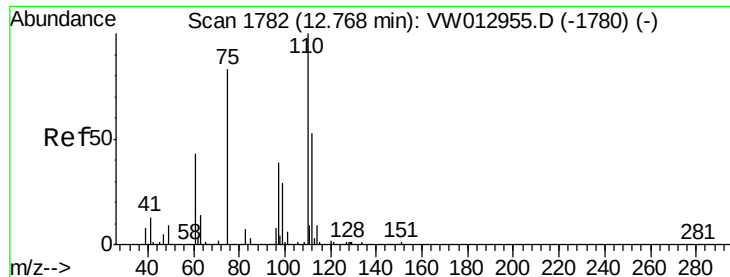
Tgt Ion:117 Resp: 306794
Ion Ratio Lower Upper
117 100
82 57.0 46.3 69.5
119 30.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW012966.D
Acq: 13 Sep 2019 21:24

Tgt Ion:152 Resp: 97940
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.4
150 159.9 0.0 340.2

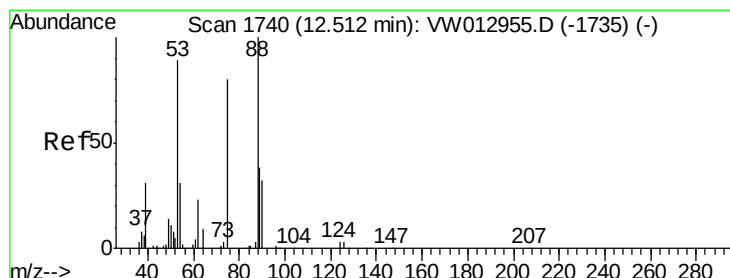
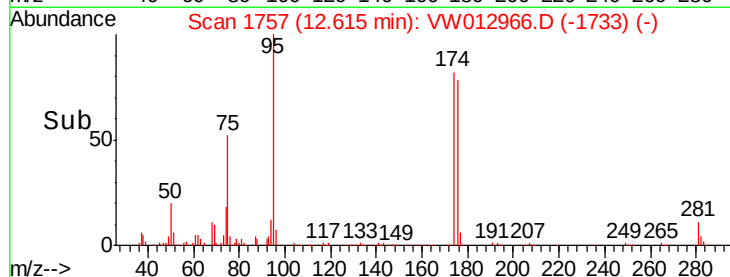
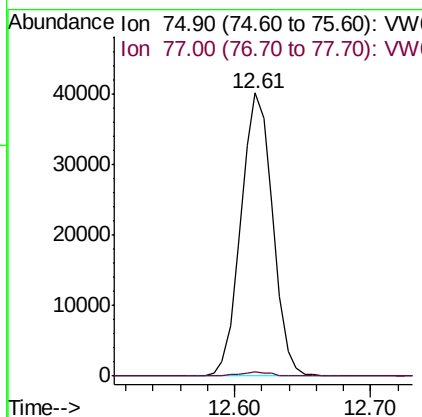
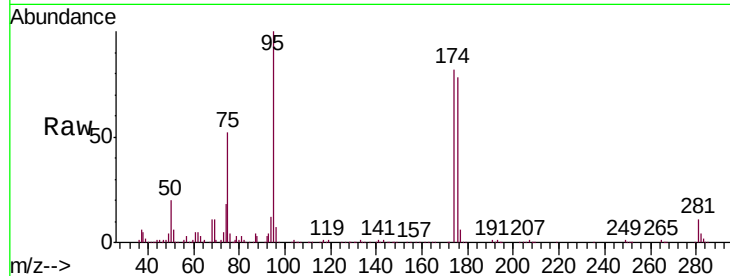




#76
 1,2,3-Trichloropropane
 Concen: 76.377 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012966.D
 Acq: 13 Sep 2019 21:24

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-2-(0)-BRUCKNER

Tgt Ion: 75 Resp: 65522
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 173.260 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012966.D
 Acq: 13 Sep 2019 21:24

Tgt Ion: 75 Resp: 65522
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.6 128.4#
 89 0.2 37.2 55.8#

