

Data File : VW013135.D
Acq On : 19 Sep 2019 02:23
Operator : SY/VA
Sample : K4924-05
Misc : 4.98G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-41-5.5-6.0

Quant Time: Sep 19 08:03:19 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	410730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	606608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	501998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	212688	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	163571	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	
35) Dibromofluoromethane	7.88	113	165676	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.32	98	700769	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
62) 4-Bromofluorobenzene	12.62	95	212405	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	

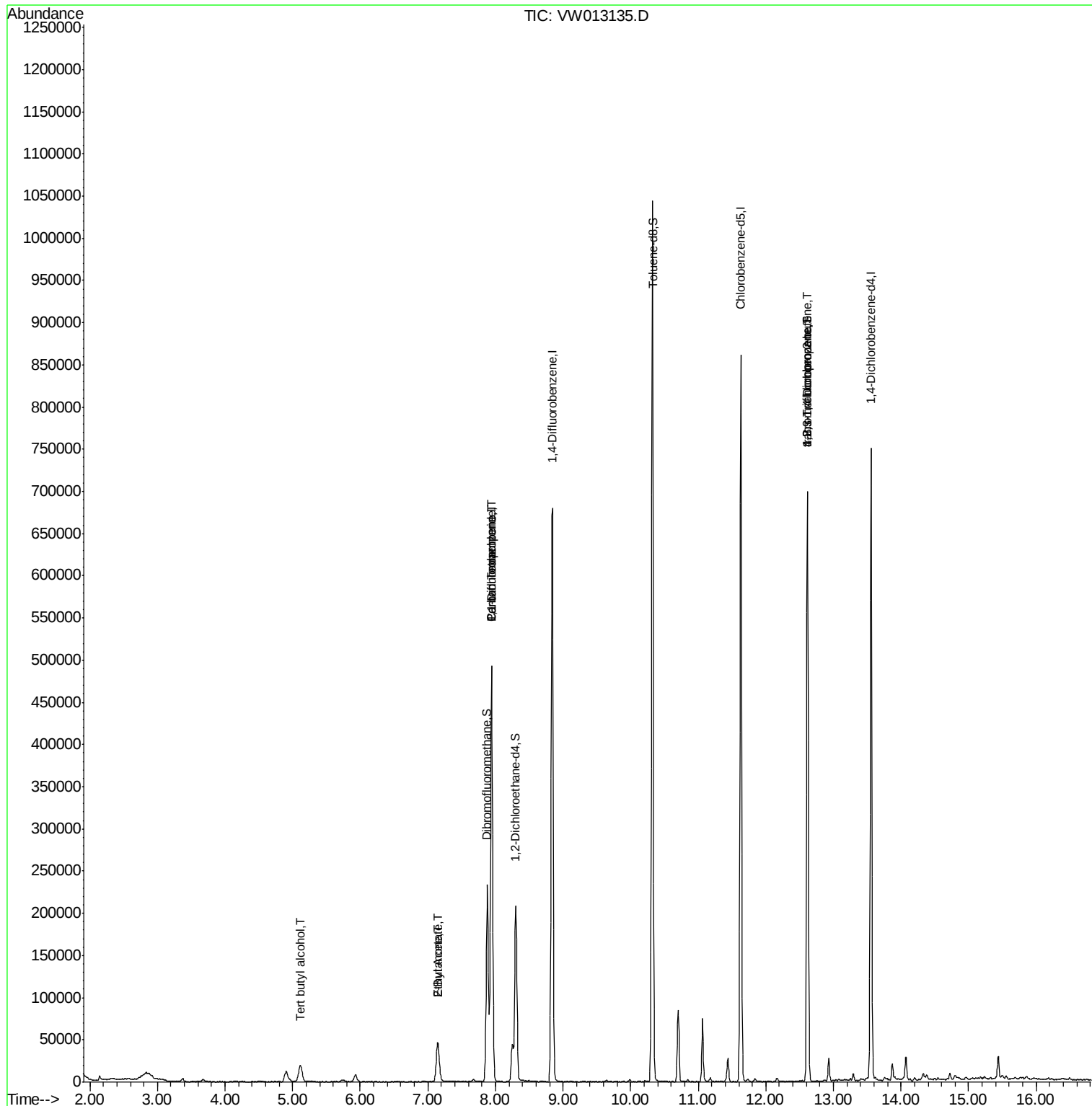
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	232	Below Cal	#	44
3) Chloromethane	2.20	50	368	Below Cal	#	84
11) Tert butyl alcohol	5.11	59	18927	57.413	ug/l #	73
16) Acetone	4.14	43	897	Below Cal		98
20) Methylene Chloride	4.91	84	9384	Below Cal		90
25) 2-Butanone	7.15	43	2949	2.445	ug/l #	67
26) 2,2-Dichloropropane	7.14	77	3803	Below Cal	#	55
31) Cyclohexane	7.95	56	6714	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	27440	5.661	ug/l #	50
37) Ethyl Acetate	7.15	43	2949	1.146	ug/l #	1
38) Carbon Tetrachloride	7.94	117	35932	7.234	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	102863	55.214	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	102863	125.252	ug/l #	7

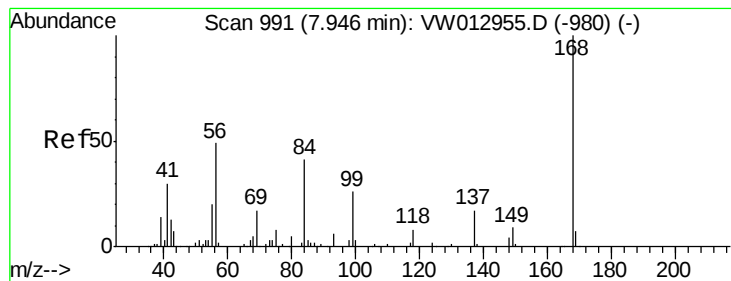
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

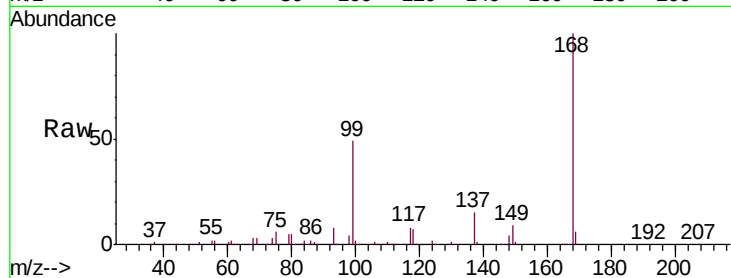
SB-41-5.5-6.0

Tgt Ion:168 Resp: 410730

Ion Ratio Lower Upper

168 100

99 49.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

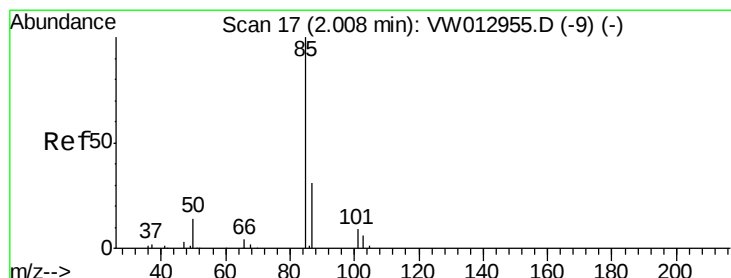
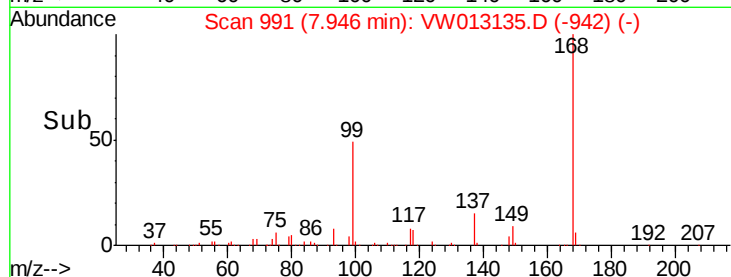
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013135.D

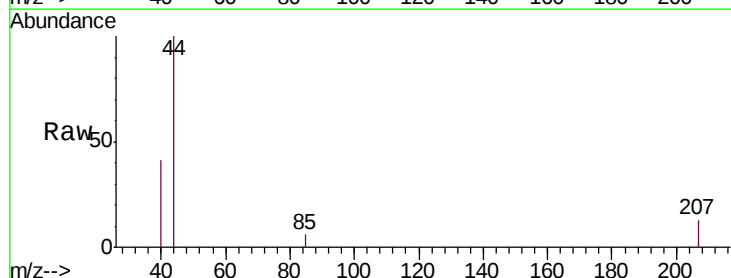
Acq: 19 Sep 2019 02:23

Tgt Ion: 85 Resp: 232

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

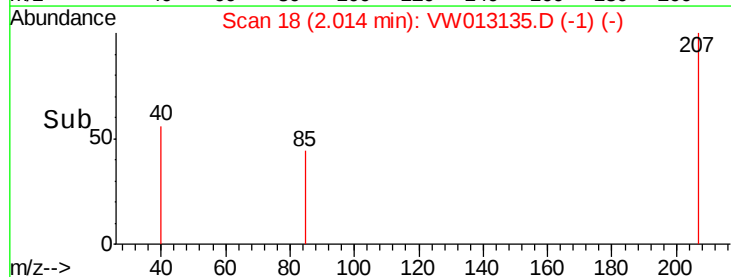
2.01

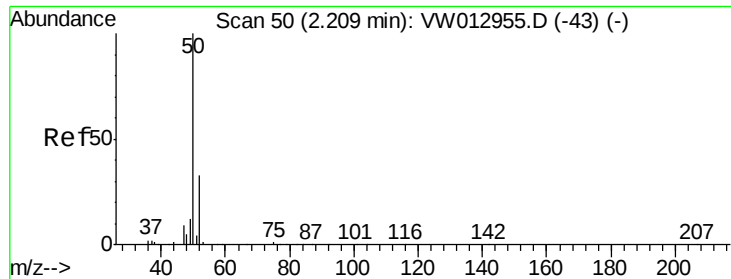
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

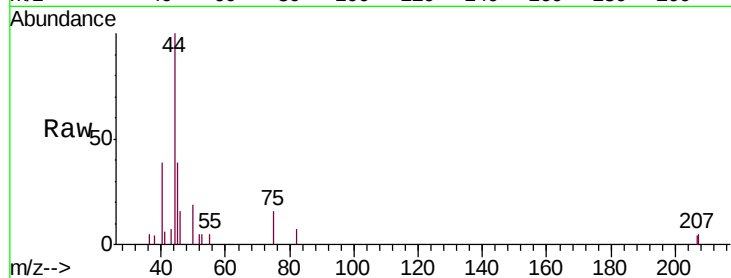
SB-41-5.5-6.0

Tgt Ion: 50 Resp: 368

Ion Ratio Lower Upper

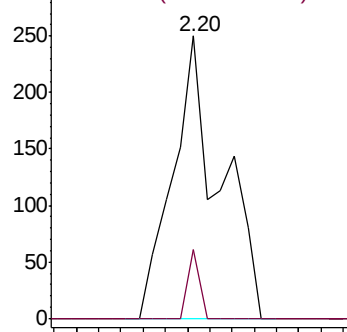
50 100

52 24.4 26.6 39.8#

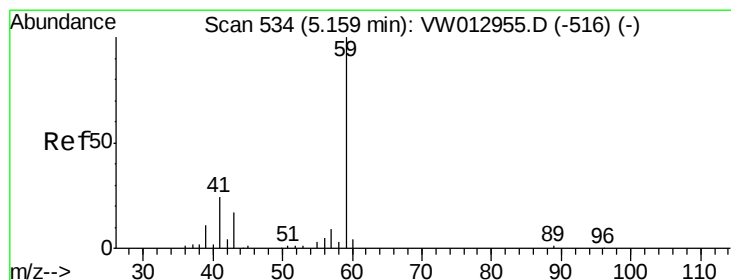
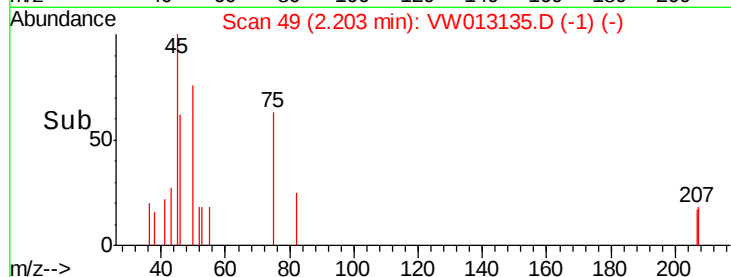


Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



Time-->



#11

Tert butyl alcohol

Concen: 57.413 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013135.D

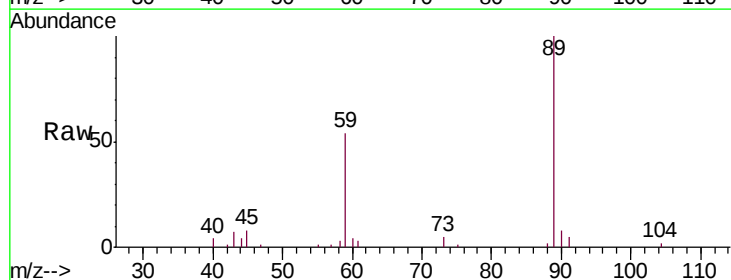
Acq: 19 Sep 2019 02:23

Tgt Ion: 59 Resp: 18927

Ion Ratio Lower Upper

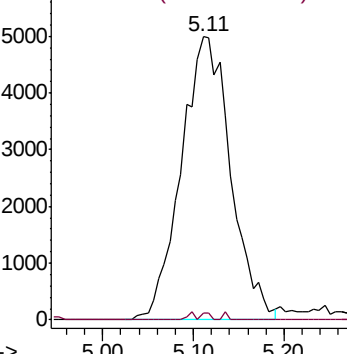
59 100

57 0.4 8.5 12.7#

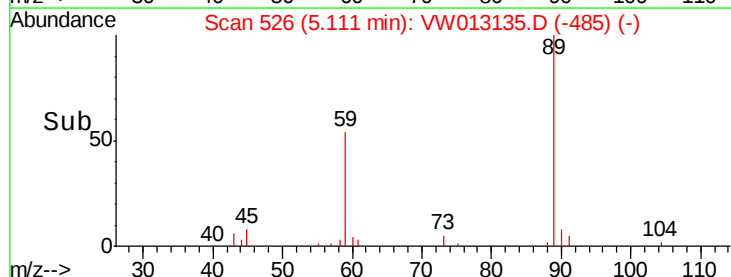


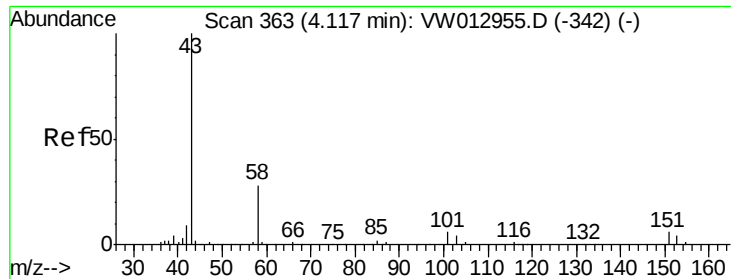
Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



Time-->





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

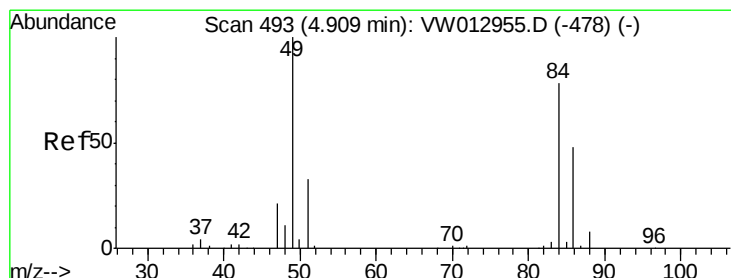
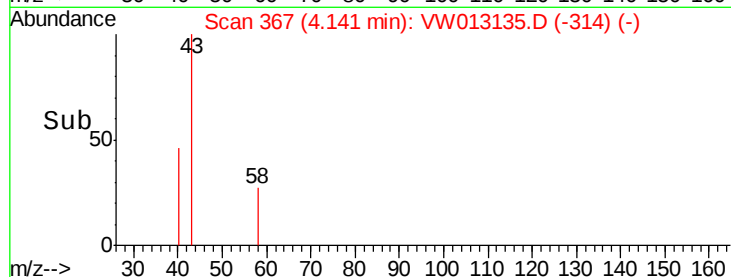
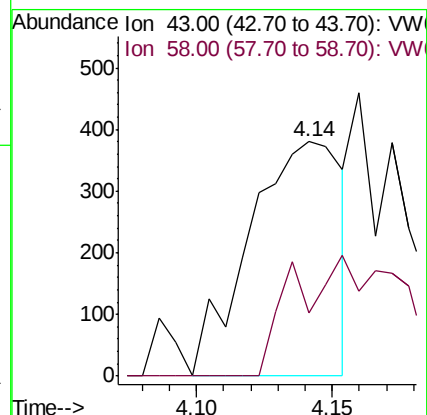
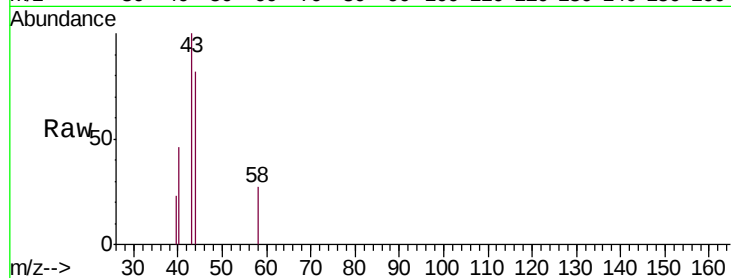
SB-41-5.5-6.0

Tgt Ion: 43 Resp: 897

Ion Ratio Lower Upper

43 100

58 26.8 22.3 33.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

Tgt Ion: 84 Resp: 9384

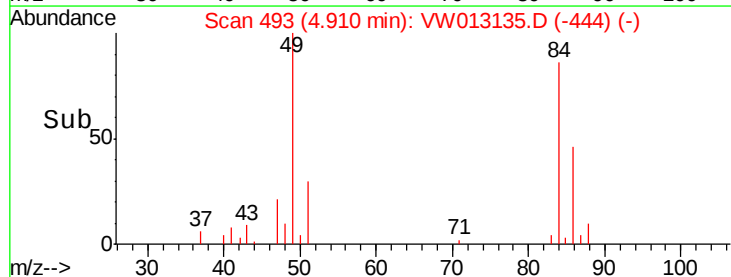
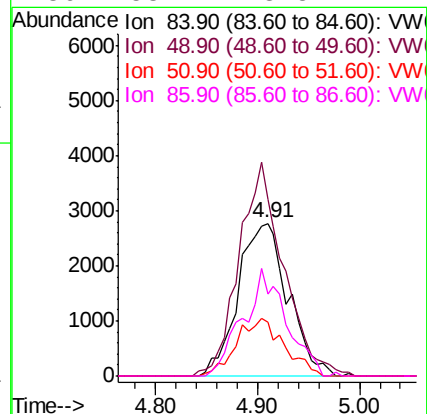
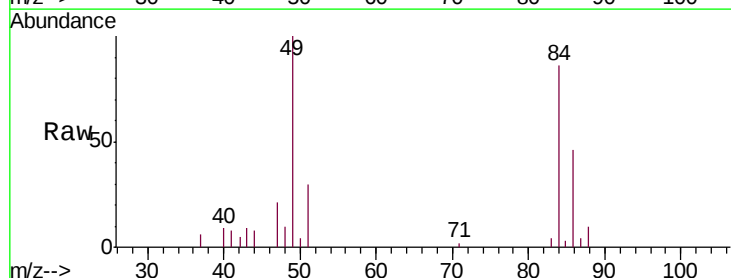
Ion Ratio Lower Upper

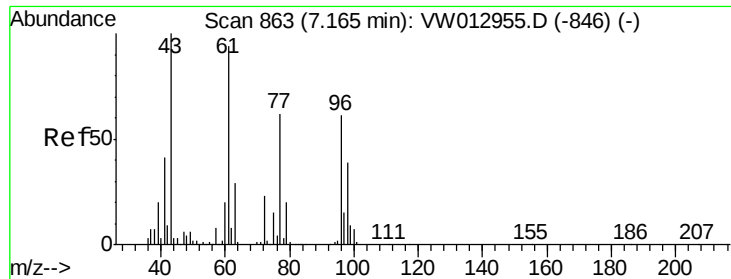
84 100

49 116.0 102.0 153.0

51 35.3 34.0 51.0

86 53.4 48.5 72.7





#25

2-Butanone

Concen: 2.445 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampled :

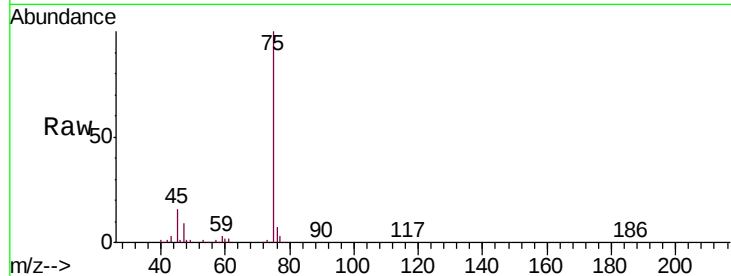
SB-41-5.5-6.0

Tgt Ion: 43 Resp: 2949

Ion Ratio Lower Upper

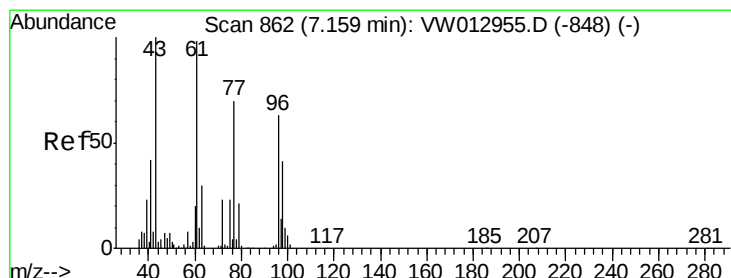
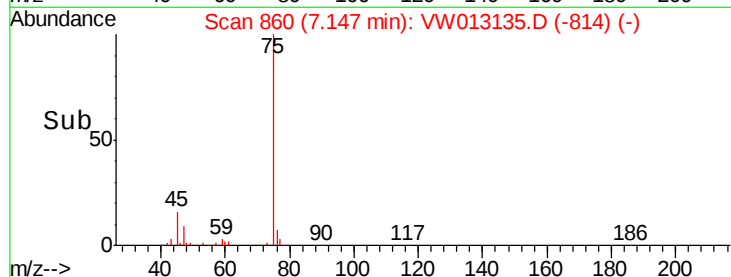
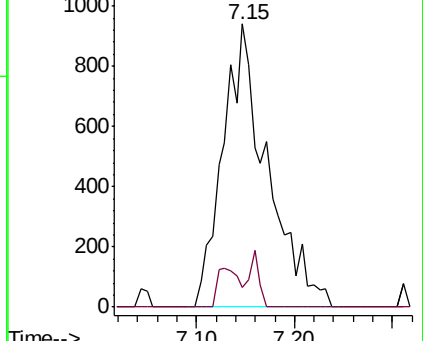
43 100

72 6.8 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013135.D

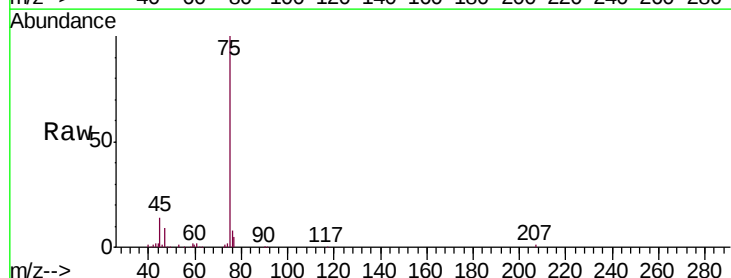
Acq: 19 Sep 2019 02:23

Tgt Ion: 77 Resp: 3803

Ion Ratio Lower Upper

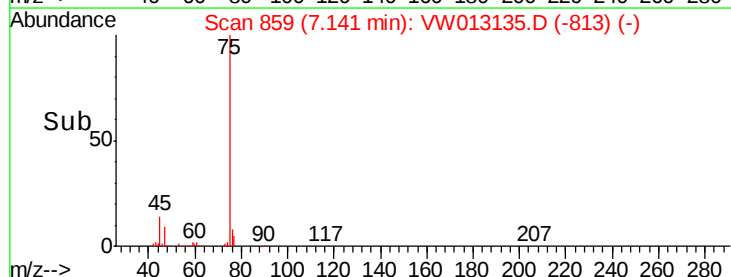
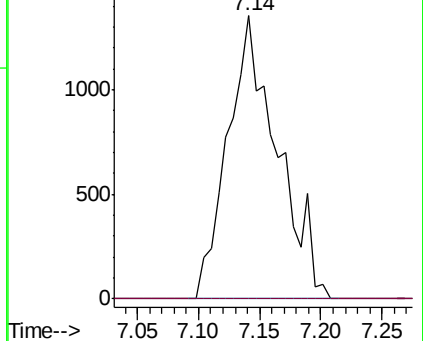
77 100

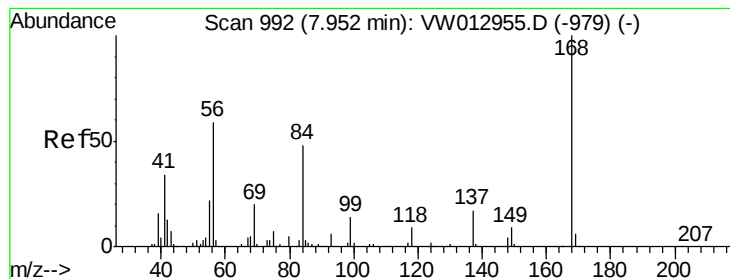
97 0.0 10.7 32.1#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

SB-41-5.5-6.0

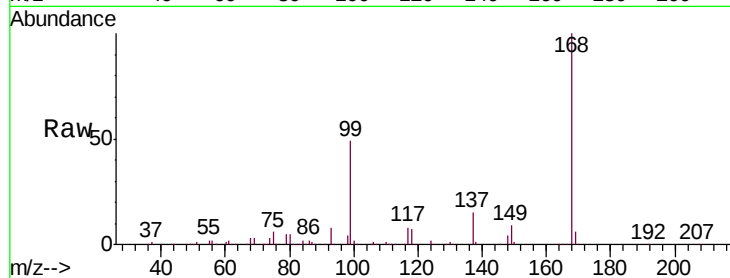
Tgt Ion: 56 Resp: 6714

Ion Ratio Lower Upper

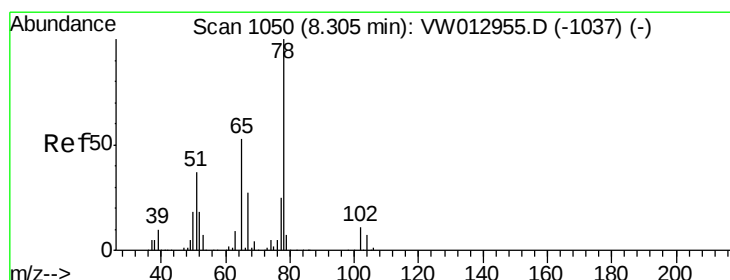
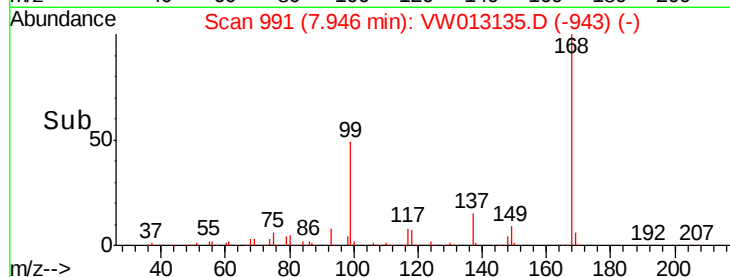
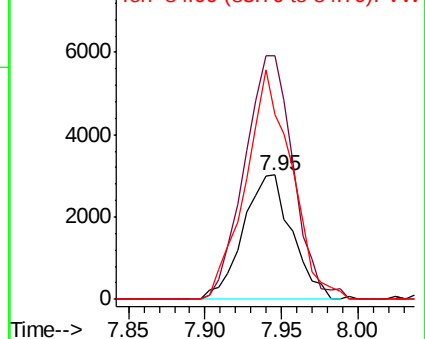
56 100

69 195.6 27.0 40.6#

84 148.5 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: 43.120 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013135.D

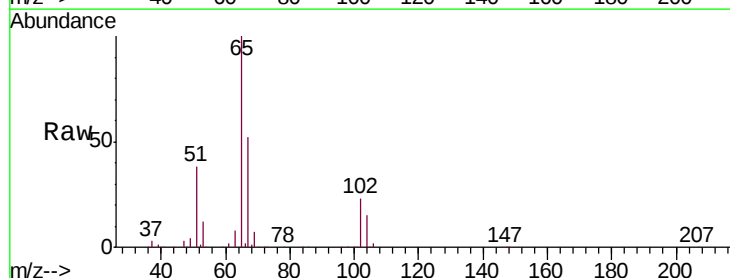
Acq: 19 Sep 2019 02:23

Tgt Ion: 65 Resp: 163571

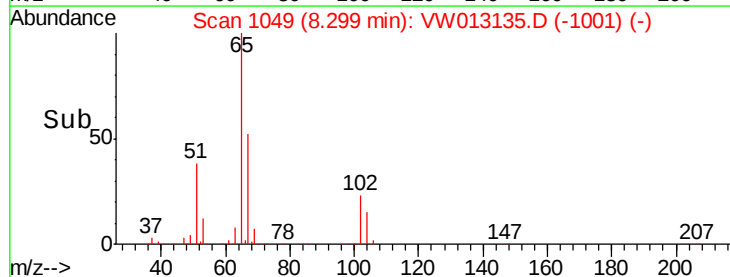
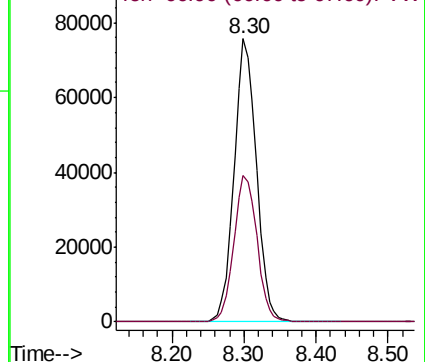
Ion Ratio Lower Upper

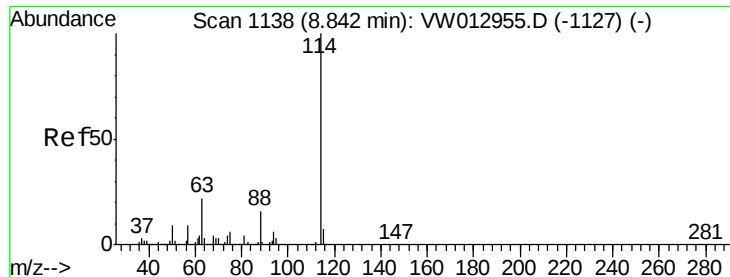
65 100

67 54.0 0.0 101.2



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

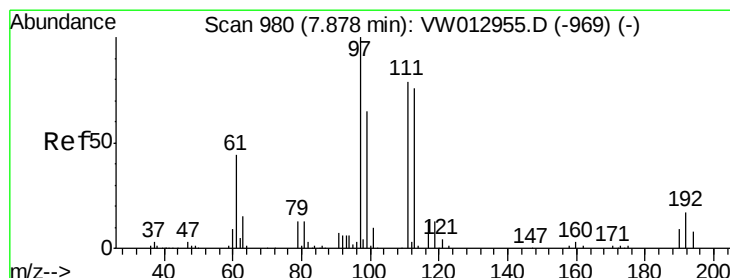
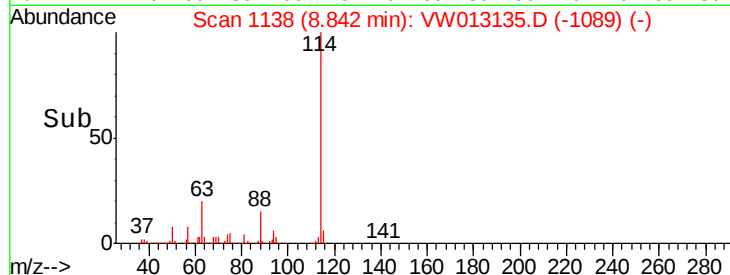
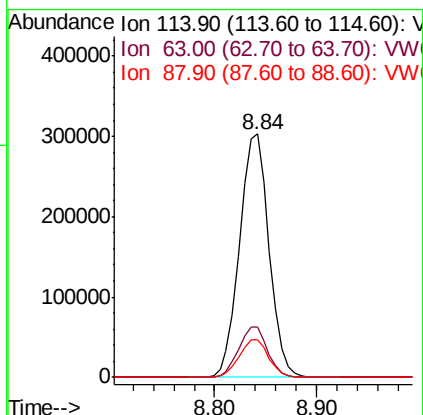
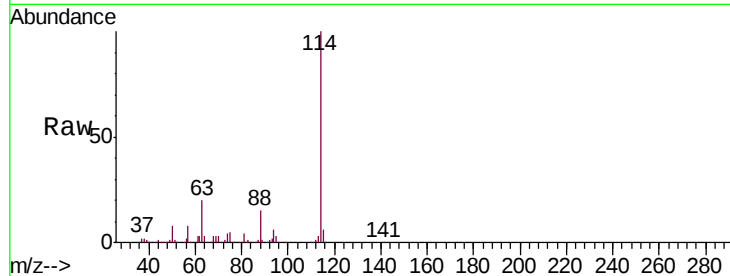




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013135.D
 Acq: 19 Sep 2019 02:23

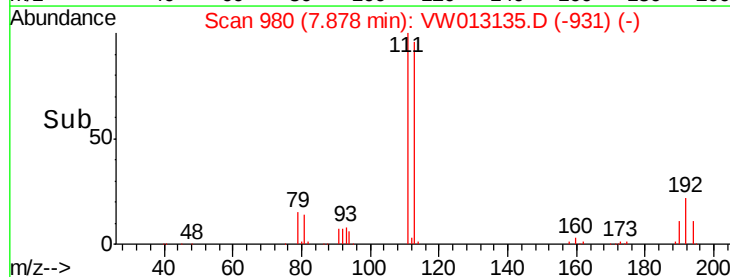
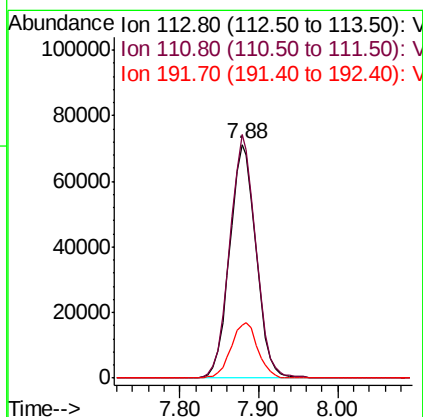
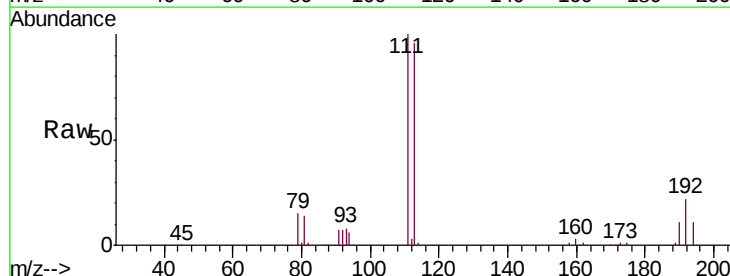
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-41-5.5-6.0

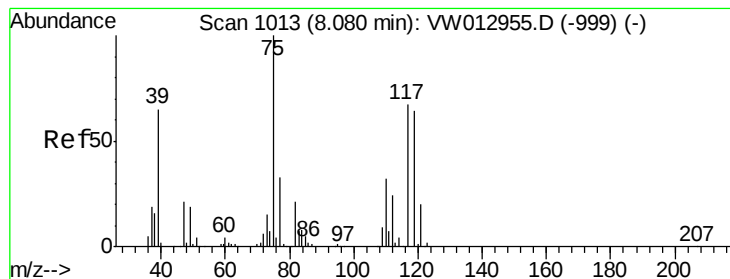
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.4
88	15.4	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 50.334 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW013135.D
 Acq: 19 Sep 2019 02:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	23.9	17.8	26.8





#36

1,1-Dichloropropene

Concen: 5.661 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

SB-41-5.5-6.0

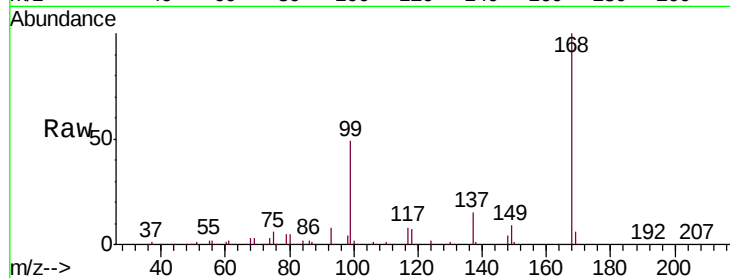
Tgt Ion: 75 Resp: 27440

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

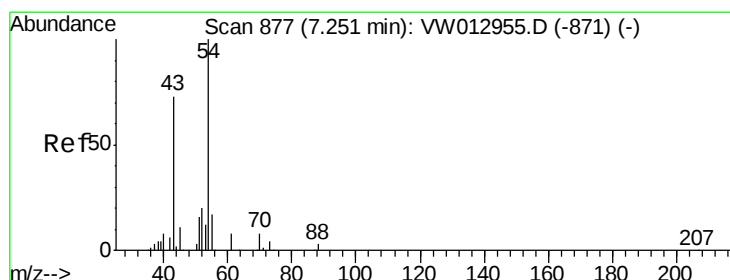
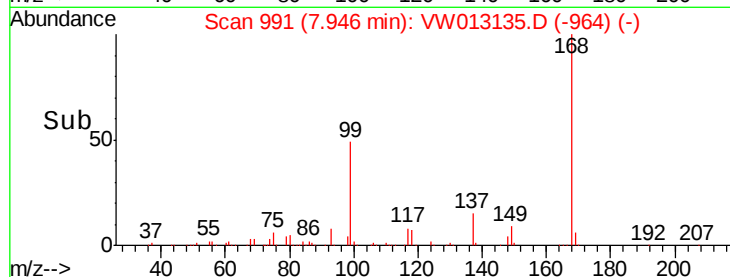
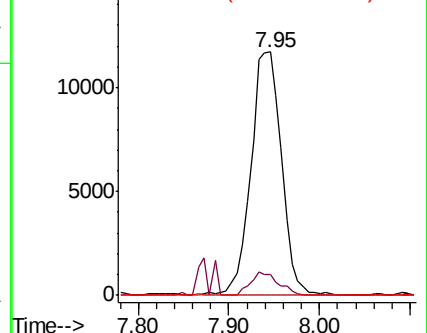
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.146 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.10 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

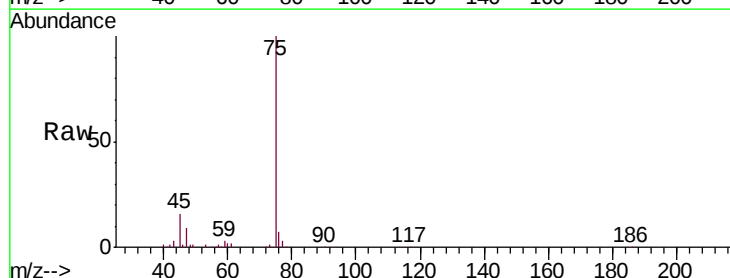
Tgt Ion: 43 Resp: 2949

Ion Ratio Lower Upper

43 100

61 81.5 9.6 14.4#

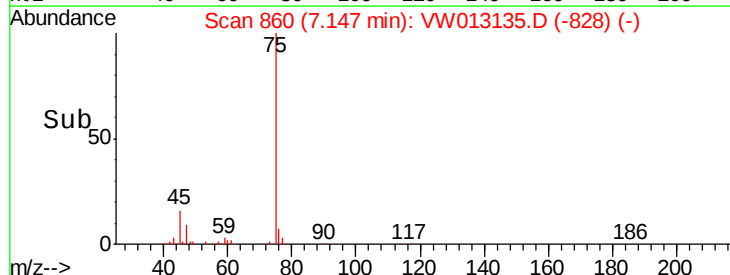
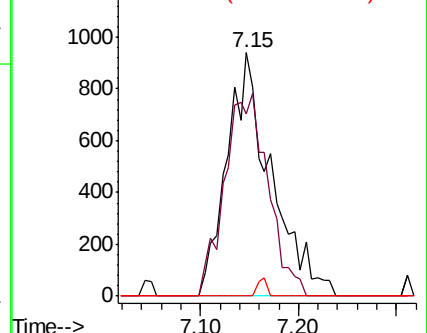
70 1.6 7.6 11.4#

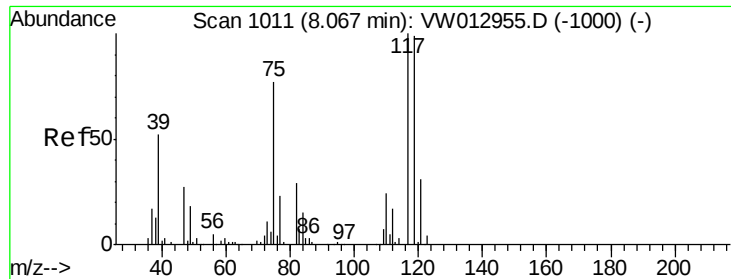


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

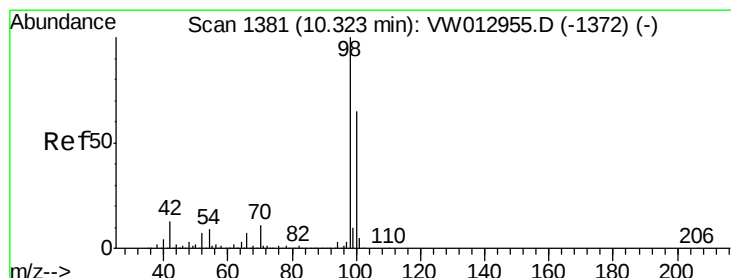
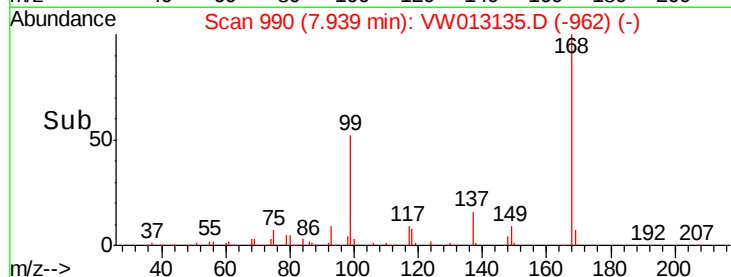
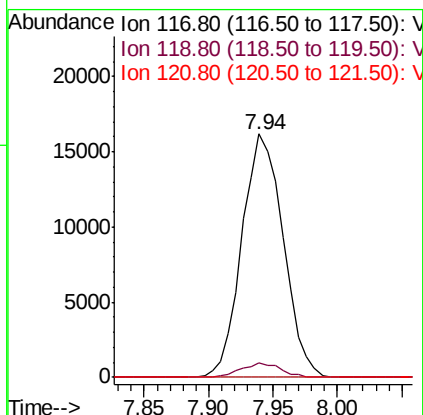
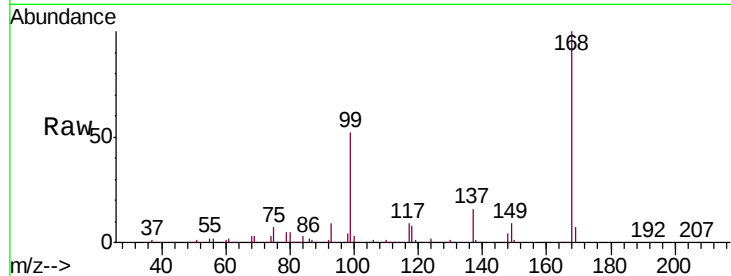




#38
Carbon Tetrachloride
Concen: 7.234 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013135.D
Acq: 19 Sep 2019 02:23

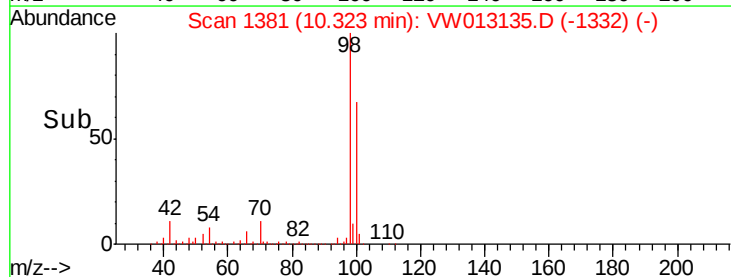
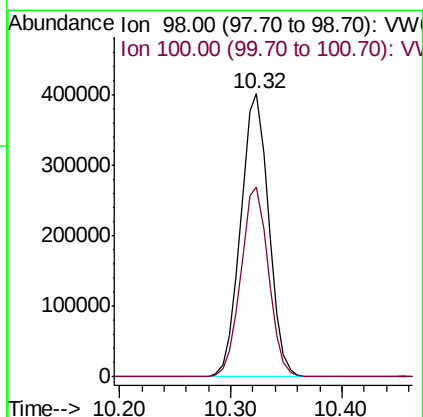
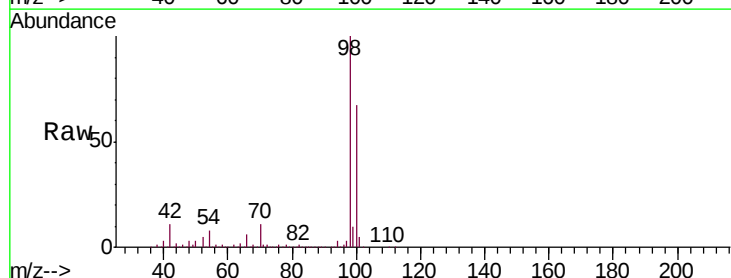
Instrument :
MSVOA_W
ClientSampleId :
SB-41-5.5-6.0

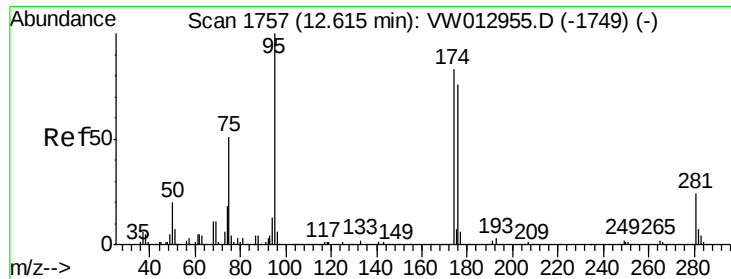
Tgt Ion:117 Resp: 35932
Ion Ratio Lower Upper
117 100
119 6.1 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 54.407 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013135.D
Acq: 19 Sep 2019 02:23

Tgt Ion: 98 Resp: 700769
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1

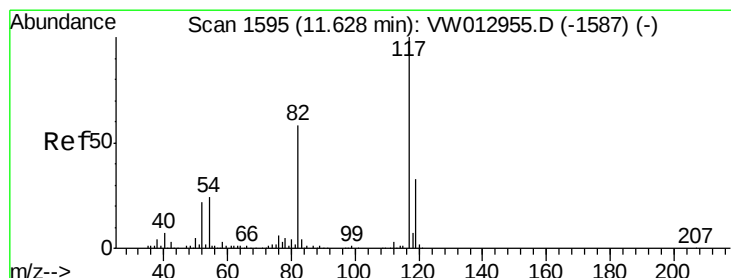
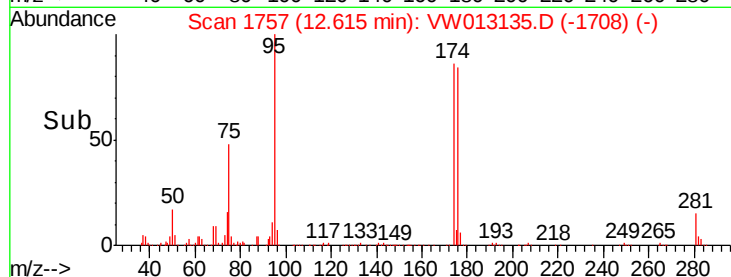
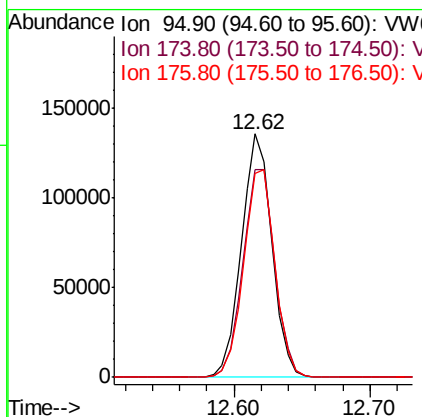
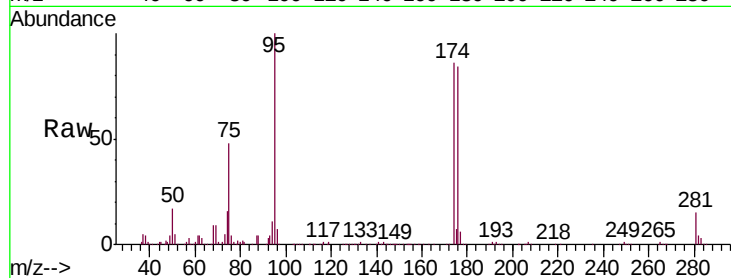




#62
4-Bromofluorobenzene
Concen: 45.862 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013135.D
Acq: 19 Sep 2019 02:23

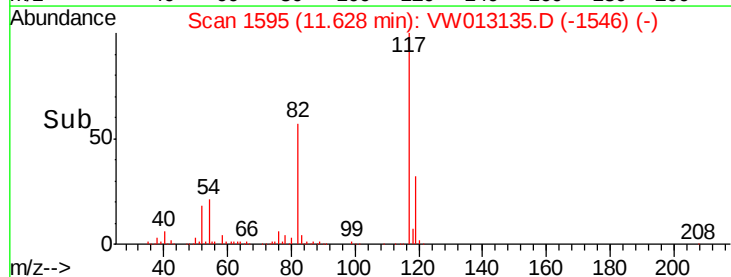
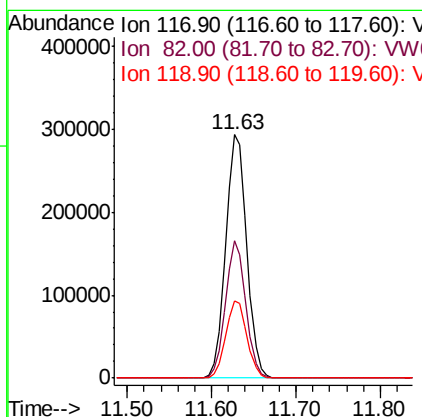
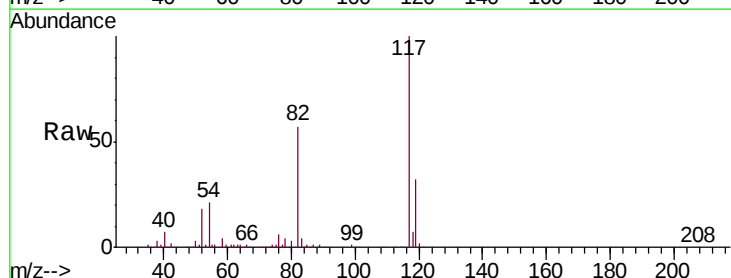
Instrument :
MSVOA_W
ClientSampleId :
SB-41-5.5-6.0

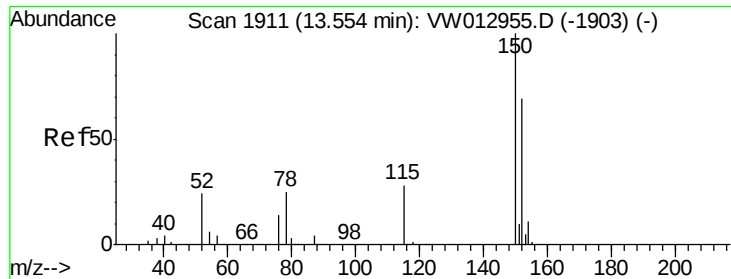
Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	170.4
176	87.6	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013135.D
Acq: 19 Sep 2019 02:23

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.3	69.5
119	32.0	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: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampled :

SB-41-5.5-6.0

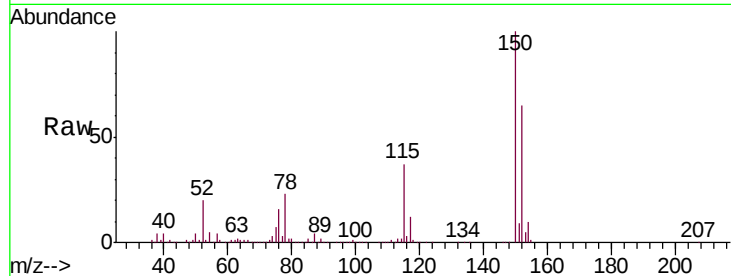
Tgt Ion:152 Resp: 212688

Ion Ratio Lower Upper

152 100

115 55.7 28.8 86.4

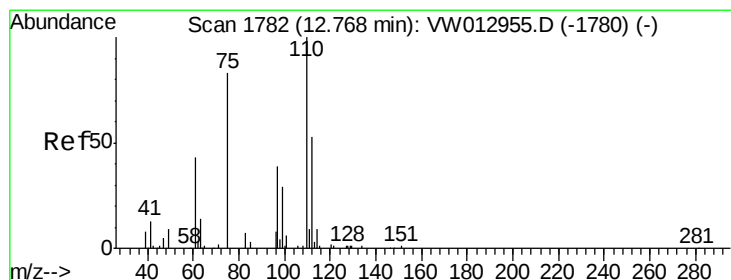
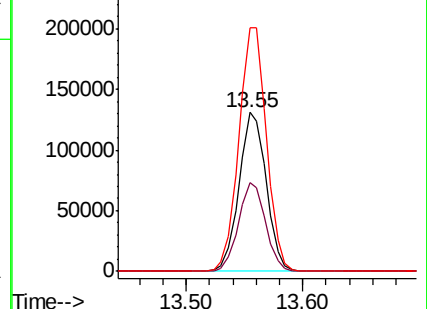
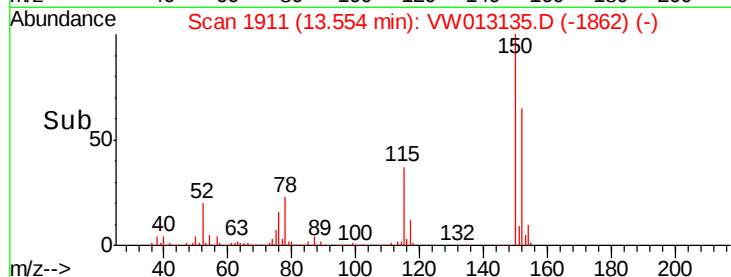
150 155.9 0.0 340.2



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: 55.214 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013135.D

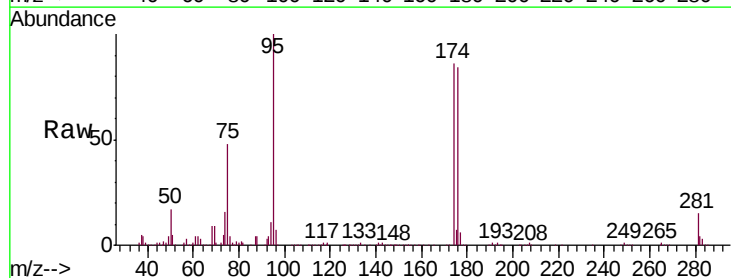
Acq: 19 Sep 2019 02:23

Tgt Ion: 75 Resp: 102863

Ion Ratio Lower Upper

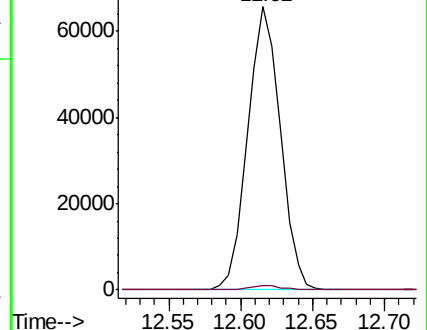
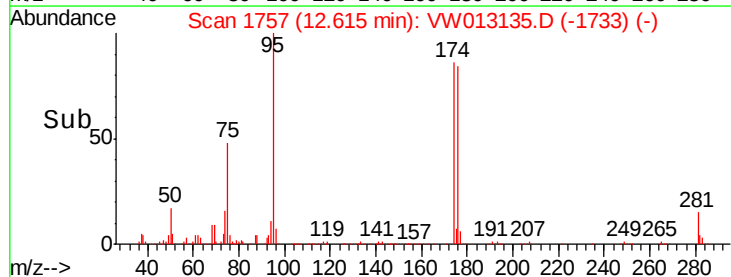
75 100

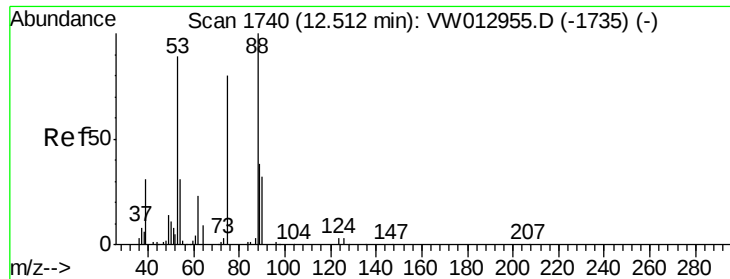
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 125.252 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013135.D

Acq: 19 Sep 2019 02:23

Instrument :

MSVOA_W

ClientSampleId :

SB-41-5.5-6.0

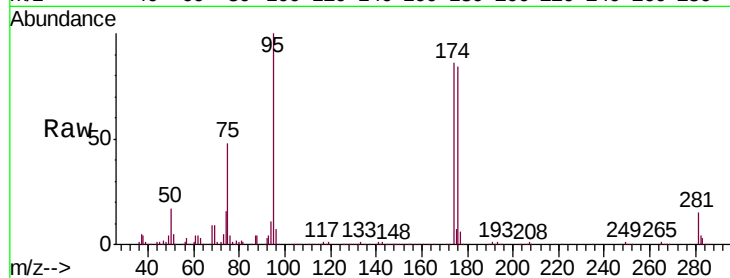
Tgt Ion: 75 Resp: 102863

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.1 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

