

Data File : VW013142.D
Acq On : 19 Sep 2019 05:24
Operator : SY/VA
Sample : K4814-03
Misc : 4.14G/5ML/MSVOA_W/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC-3

Quant Time: Sep 19 08:05:06 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	414329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	614680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	482505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174207	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	178798	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.88	113	174088	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
50) Toluene-d8	10.32	98	709863	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
62) 4-Bromofluorobenzene	12.62	95	192346	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	

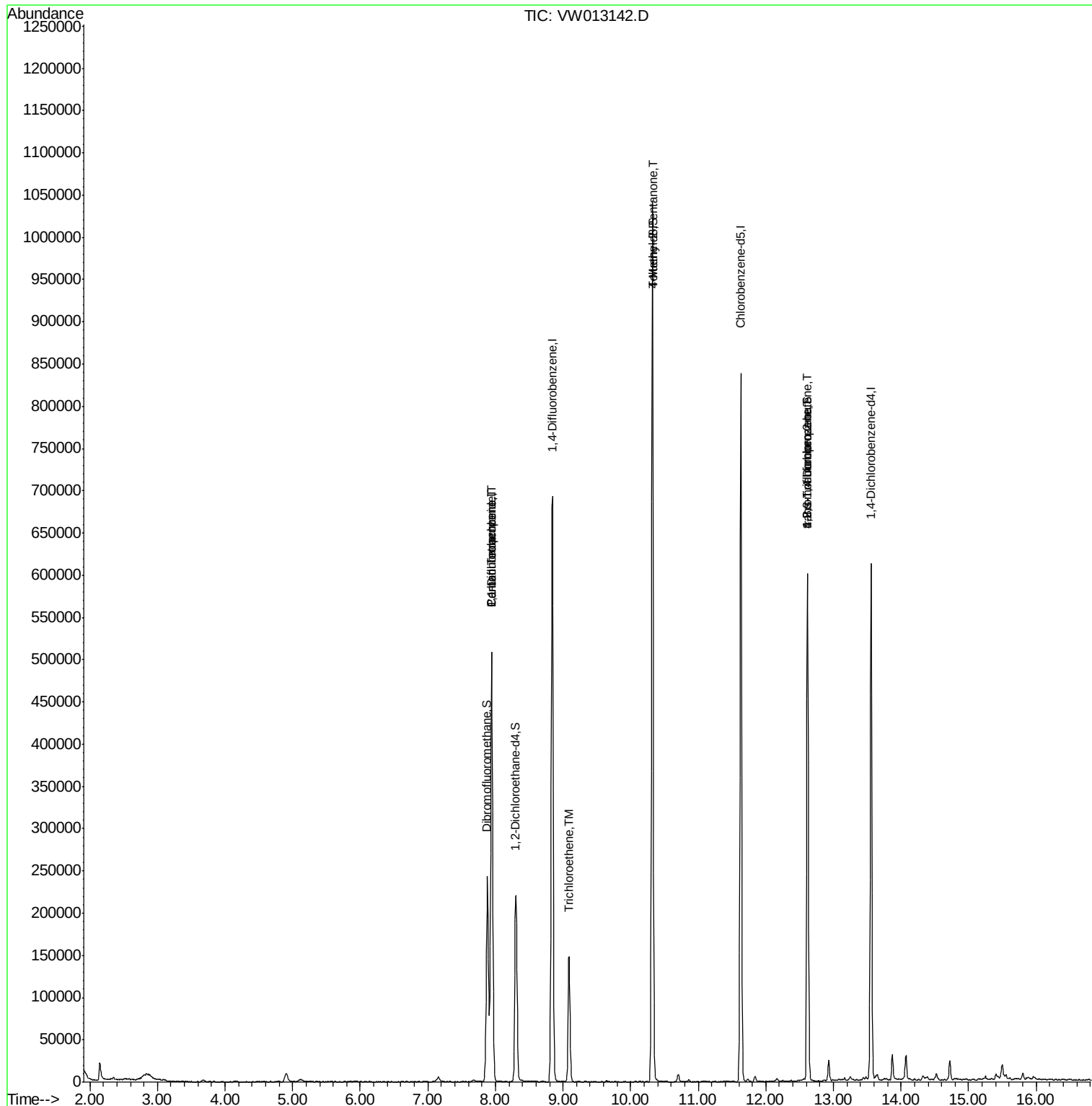
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	31	Below Cal	#	44
3) Chloromethane	2.21	50	291	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	2445	Below Cal	#	72
13) Acrolein	3.78	56	55	Below Cal	#	15
16) Acetone	4.15	43	1299	Below Cal	#	80
20) Methylene Chloride	4.90	84	7793	Below Cal	#	93
26) 2,2-Dichloropropane	7.18	77	227	Below Cal	#	55
31) Cyclohexane	7.95	56	7116	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	26824	5.461 ug/l	#	51
38) Carbon Tetrachloride	7.95	117	36386	7.229 ug/l	#	15
44) Trichloroethene	9.09	130	56621	15.075 ug/l	#	87
51) 4-Methyl-2-Pentanone	10.32	43	3154	1.220 ug/l	#	1
76) 1,2,3-Trichloropropane	12.62	75	93740	61.432 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93740	139.357 ug/l	#	7

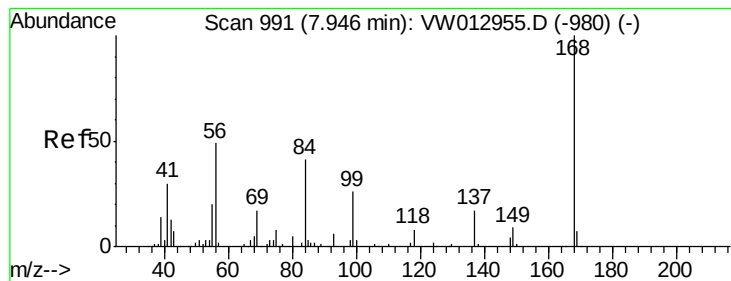
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013142.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampled :

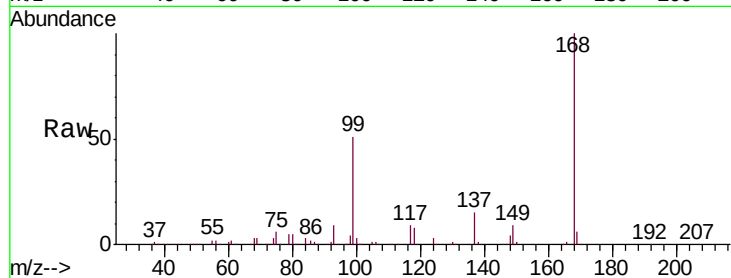
WC-3

Tgt Ion:168 Resp: 414329

Ion Ratio Lower Upper

168 100

99 50.9 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

200000

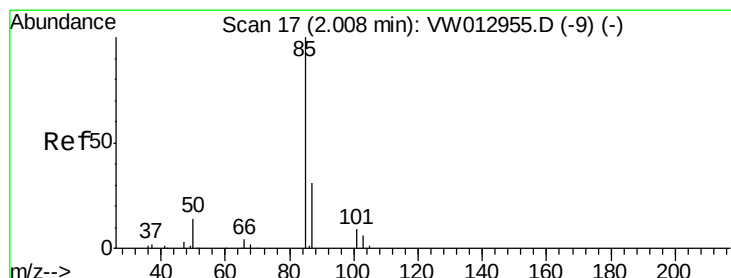
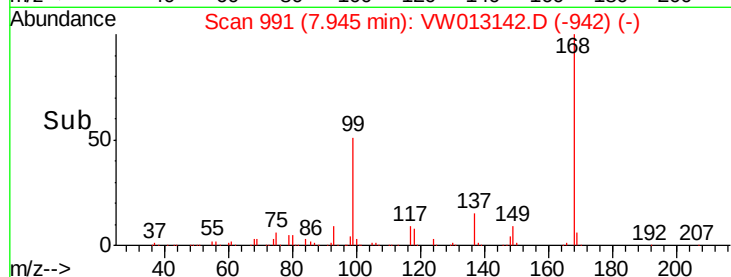
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013142.D

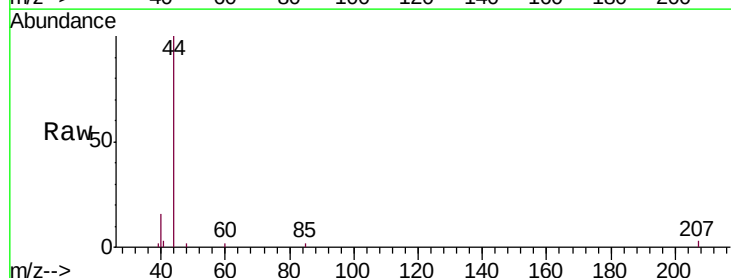
Acq: 19 Sep 2019 05:24

Tgt Ion: 85 Resp: 31

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100

80

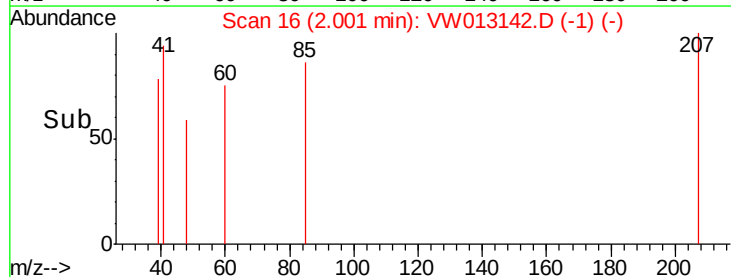
60

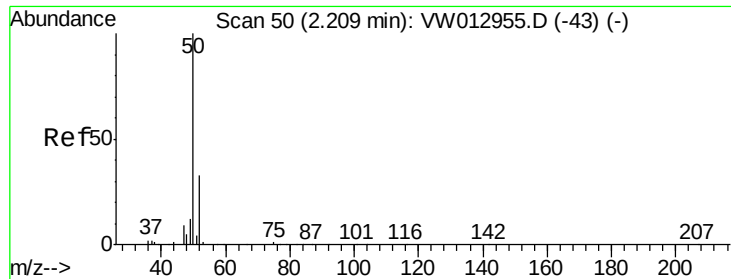
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013142.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampled :

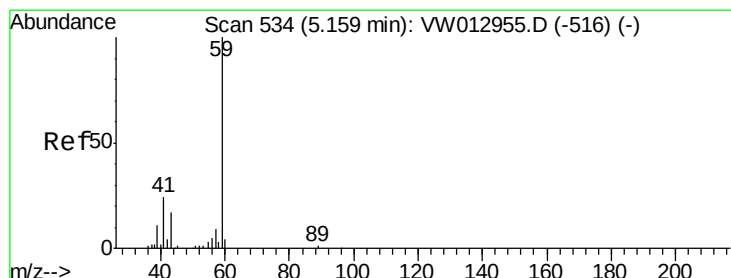
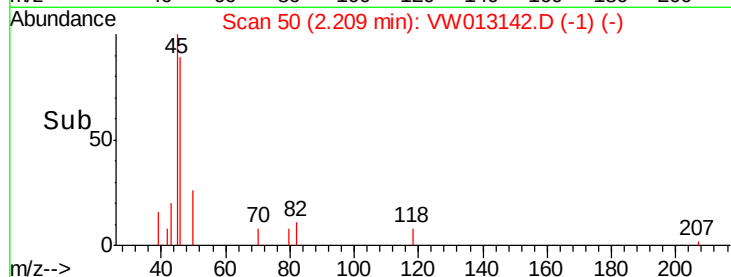
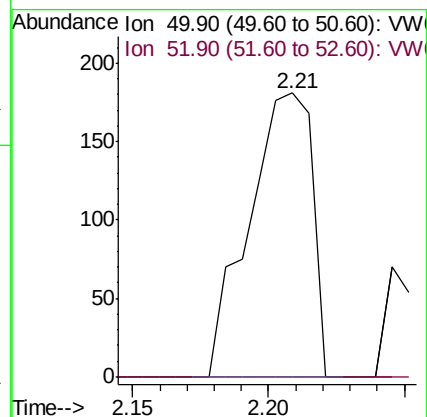
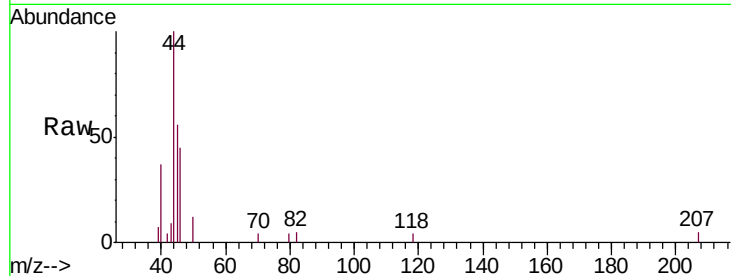
WC-3

Tgt Ion: 50 Resp: 291

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013142.D

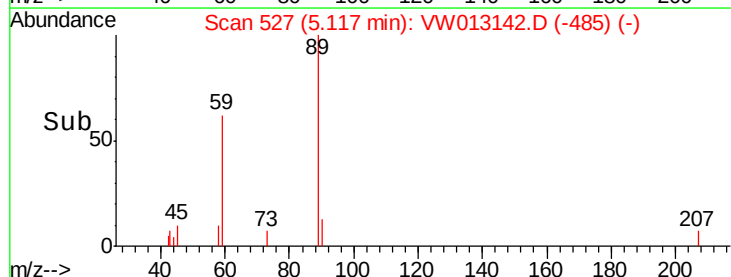
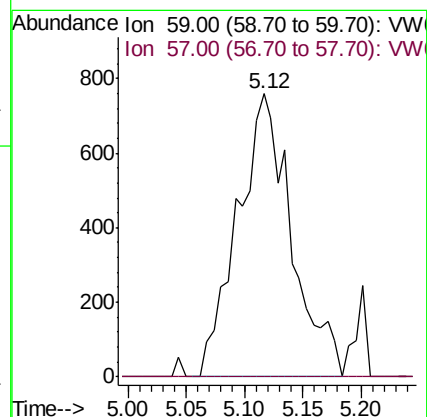
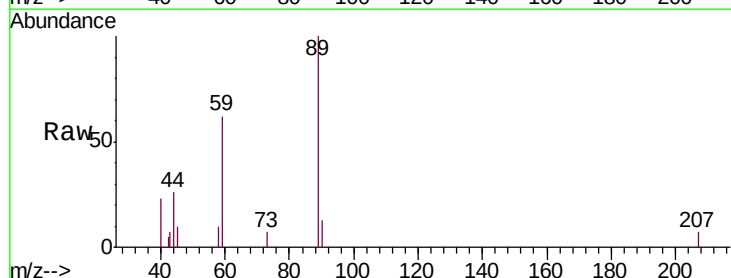
Acq: 19 Sep 2019 05:24

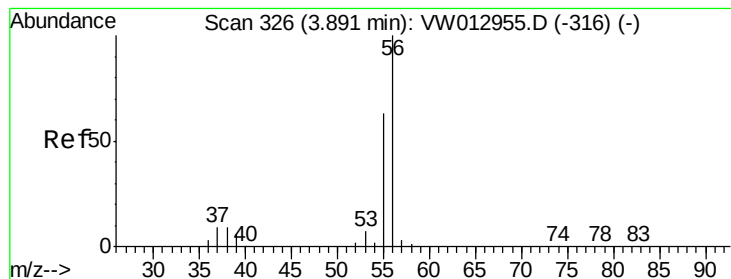
Tgt Ion: 59 Resp: 2445

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.78 min Scan# 308

Delta R.T. -0.11 min

Lab File: VW013142.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

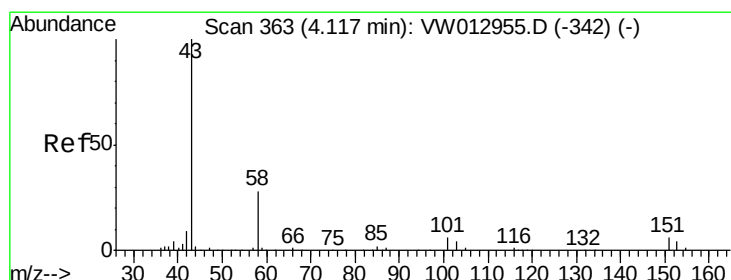
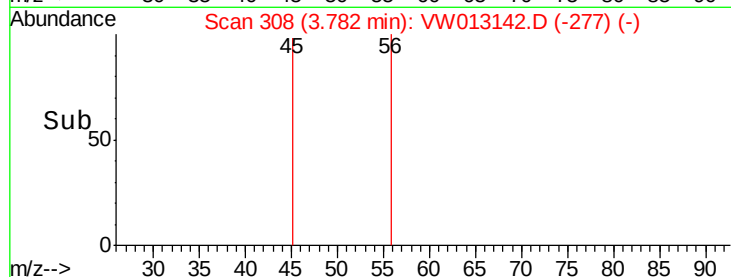
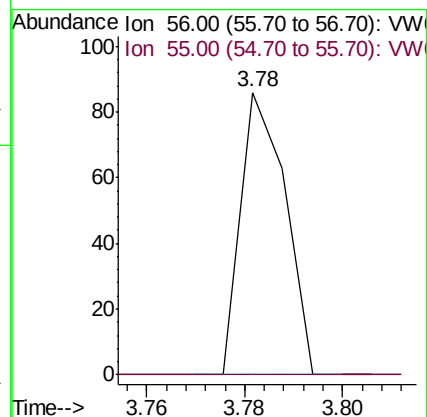
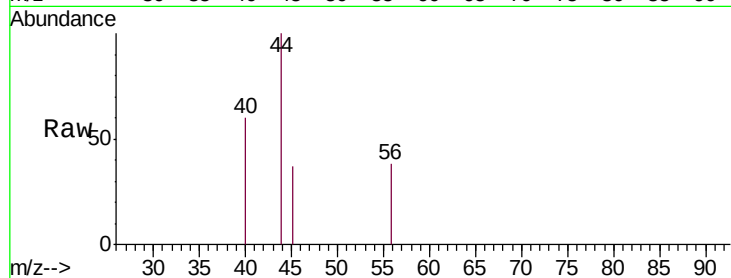
WC-3

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW013142.D

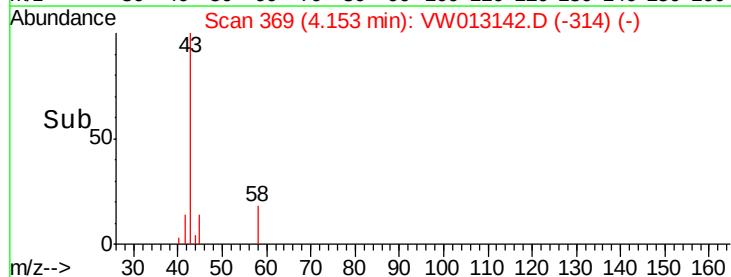
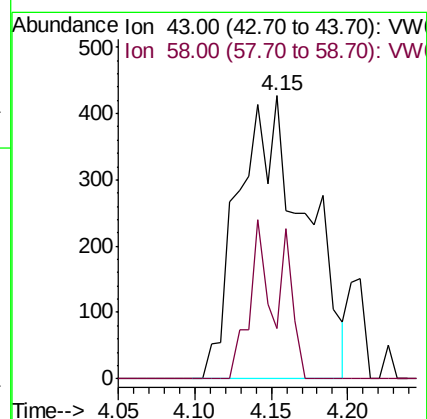
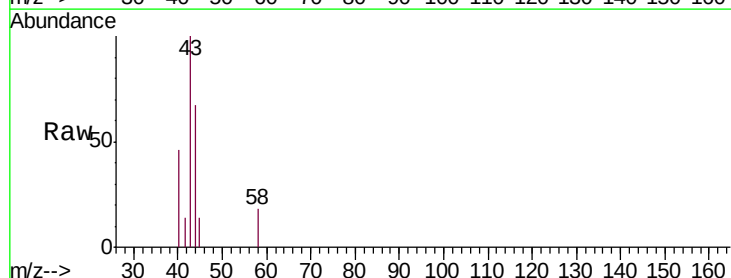
Acq: 19 Sep 2019 05:24

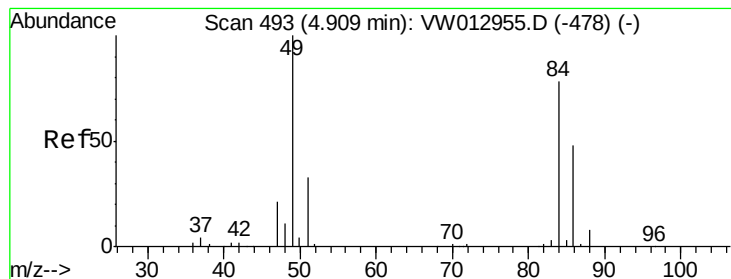
Tgt Ion: 43 Resp: 1299

Ion Ratio Lower Upper

43 100

58 17.6 22.3 33.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013142.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampled :

WC-3

Tgt Ion: 84 Resp: 7793

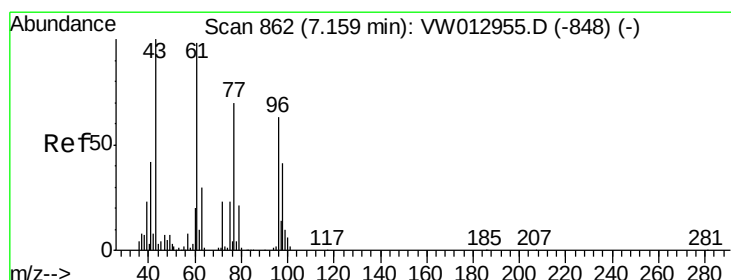
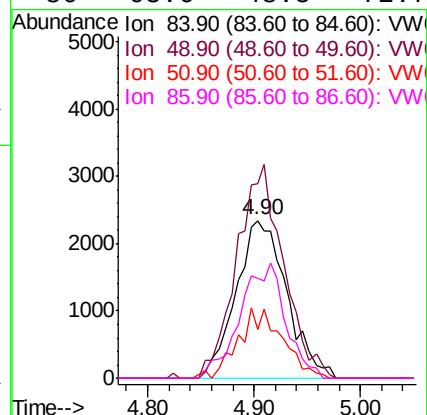
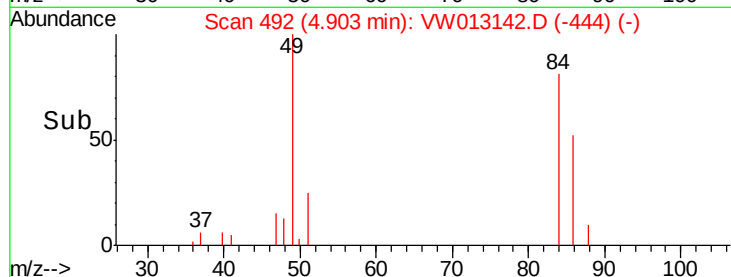
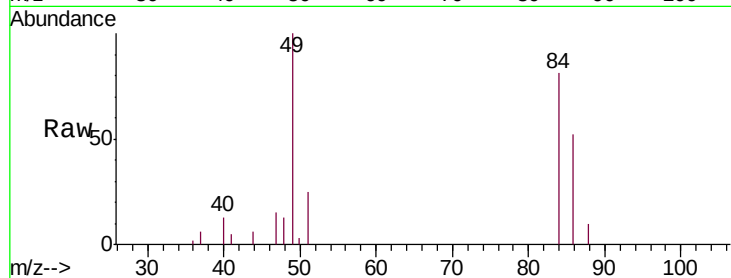
Ion Ratio Lower Upper

84 100

49 122.9 102.0 153.0

51 31.2 34.0 51.0#

86 63.6 48.5 72.7



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.18 min Scan# 865

Delta R.T. 0.02 min

Lab File: VW013142.D

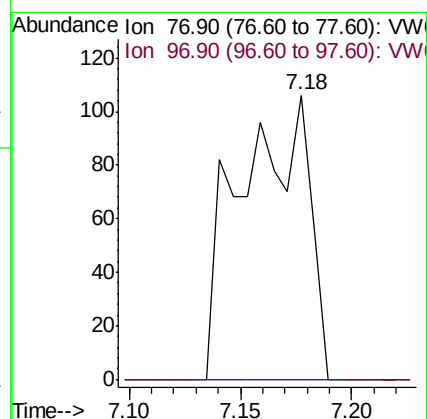
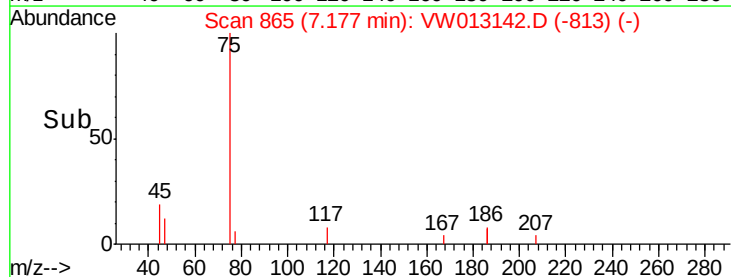
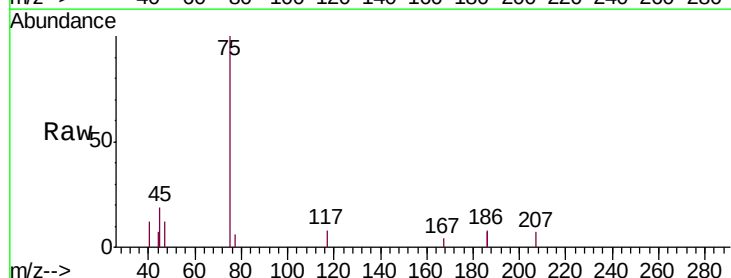
Acq: 19 Sep 2019 05:24

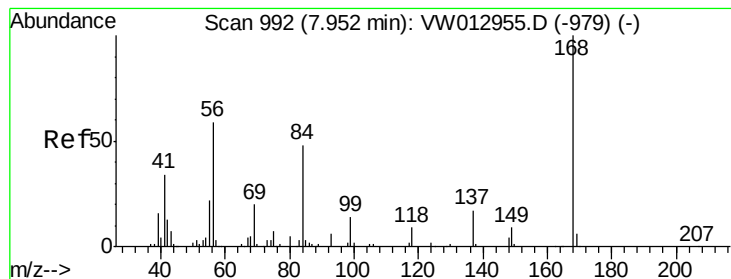
Tgt Ion: 77 Resp: 227

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013142.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampled :

WC-3

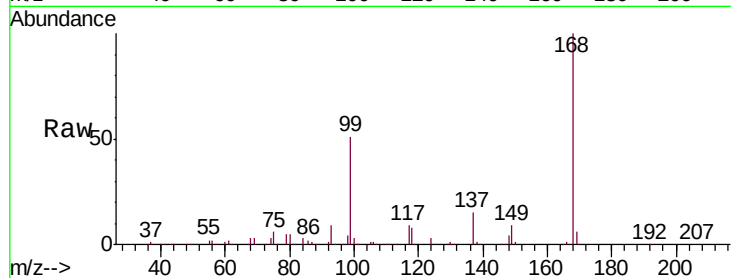
Tgt Ion: 56 Resp: 7116

Ion Ratio Lower Upper

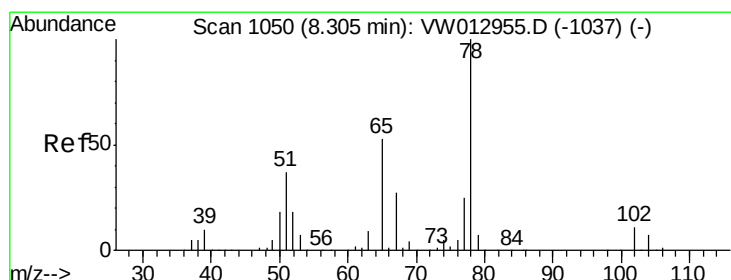
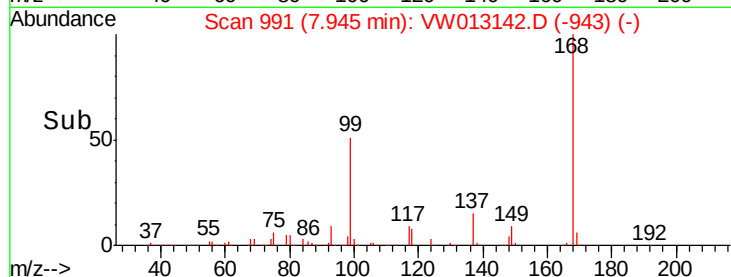
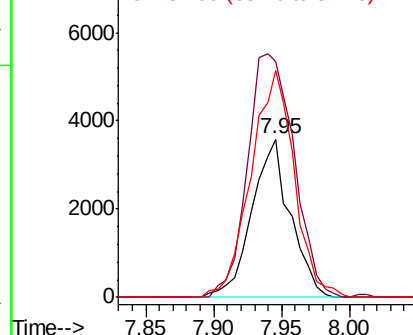
56 100

69 149.1 27.0 40.6#

84 143.5 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: 46.725 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013142.D

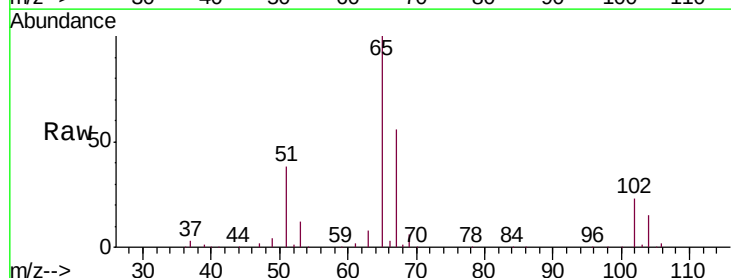
Acq: 19 Sep 2019 05:24

Tgt Ion: 65 Resp: 178798

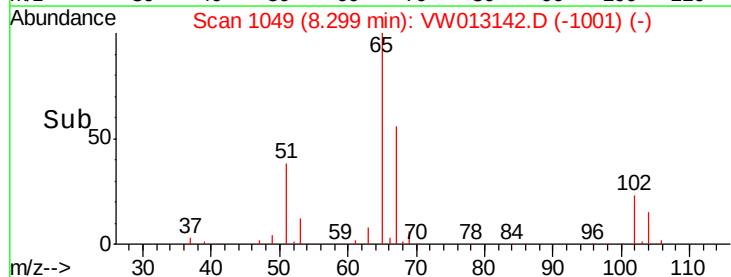
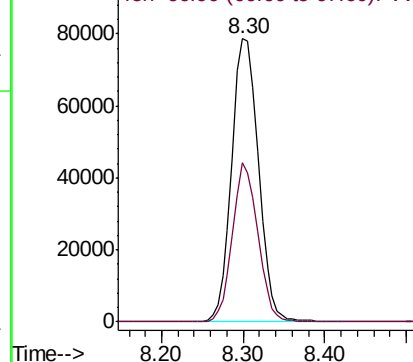
Ion Ratio Lower Upper

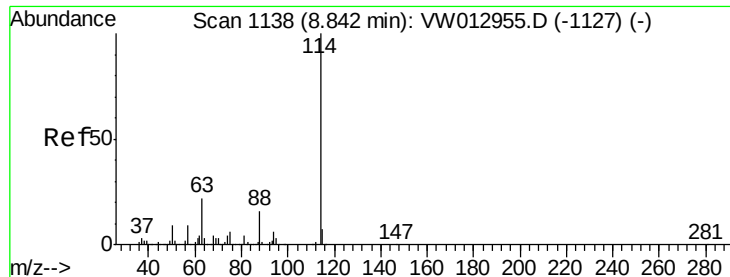
65 100

67 53.1 0.0 101.2



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

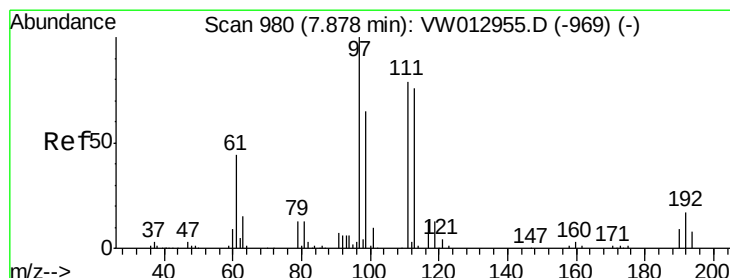
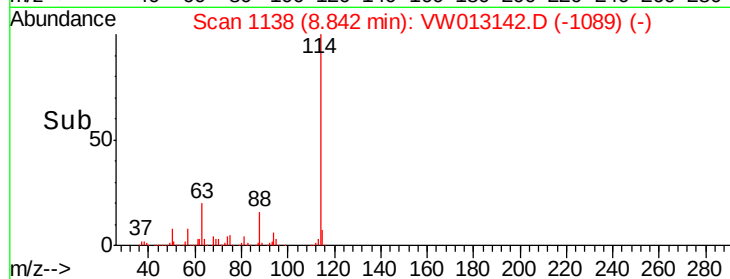
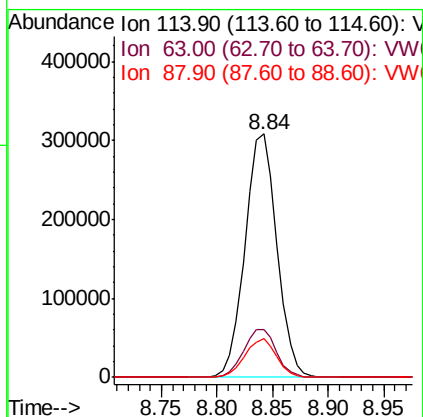
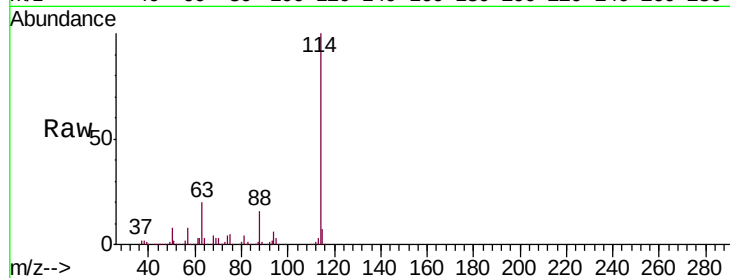




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

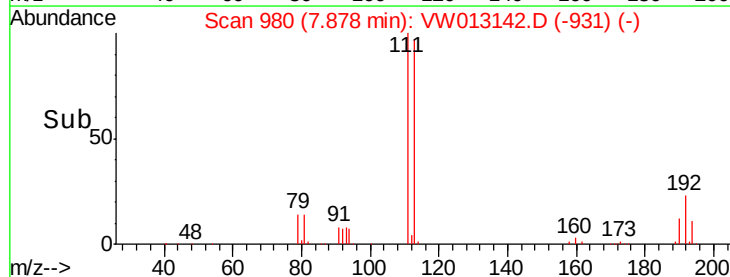
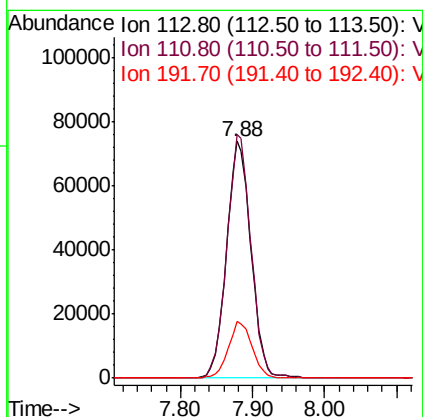
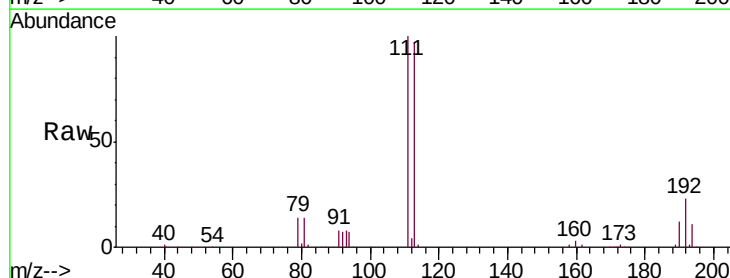
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3

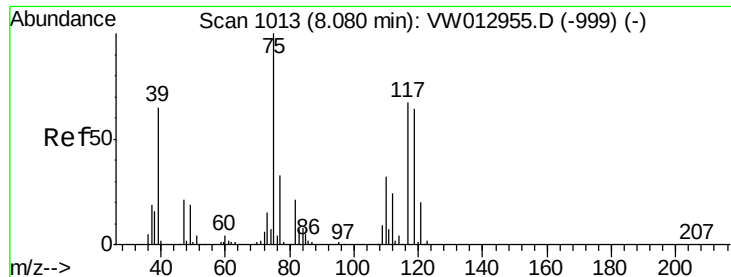
Tgt Ion:114 Resp: 614680
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 43.4
 88 15.8 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 52.195 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

Tgt Ion:113 Resp: 174088
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.8 124.2
 192 23.4 17.8 26.8

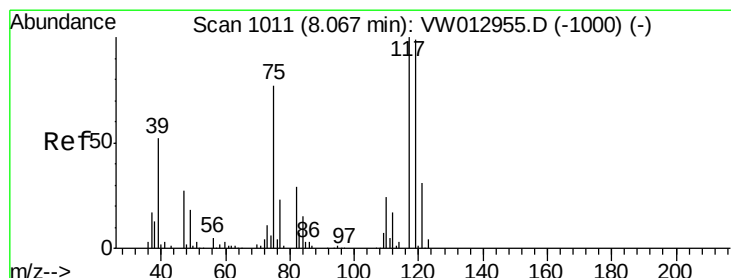
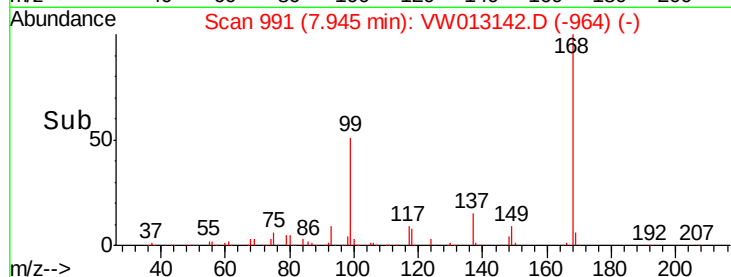
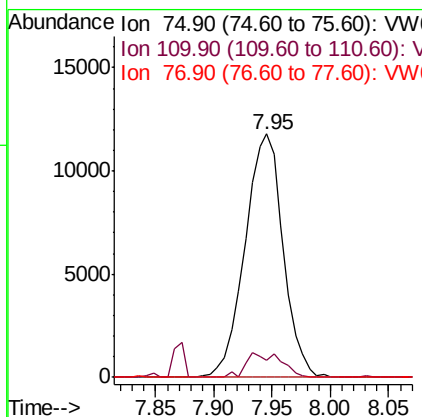
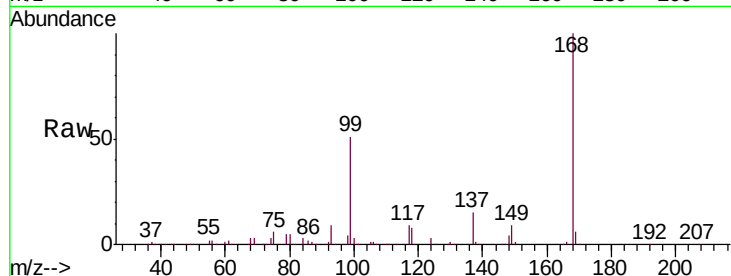




#36
 1,1-Dichloropropene
 Concen: 5.461 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

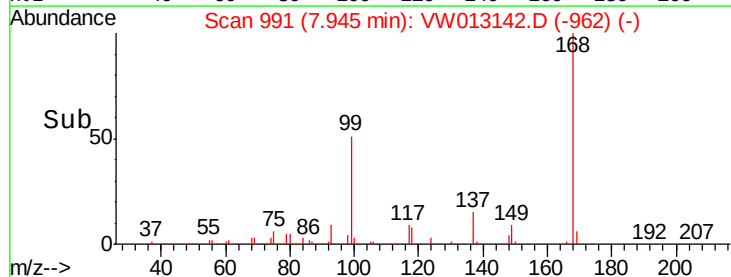
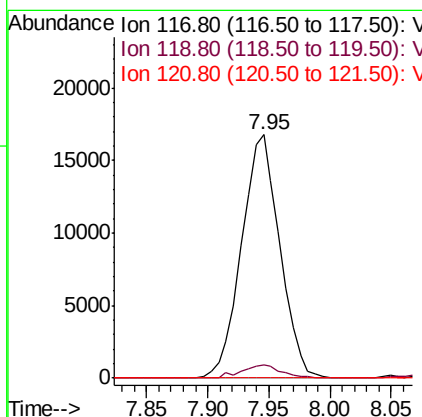
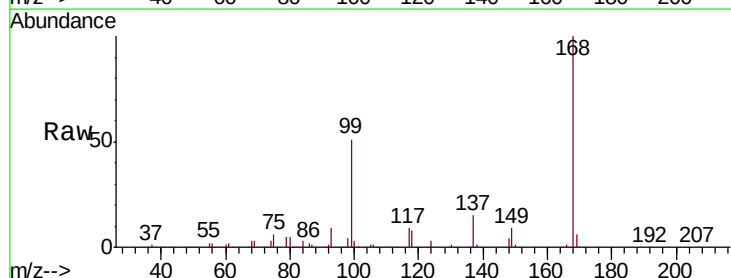
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3

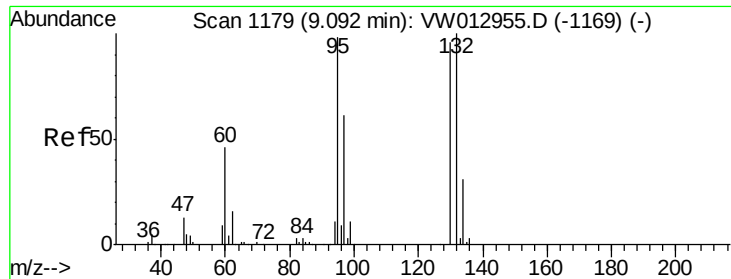
Tgt Ion: 75 Resp: 26824
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.229 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

Tgt Ion: 117 Resp: 36386
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.4 119.0#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 15.075 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013142.D

Acq: 19 Sep 2019 05:24

Instrument :

MSVOA_W

ClientSampleId :

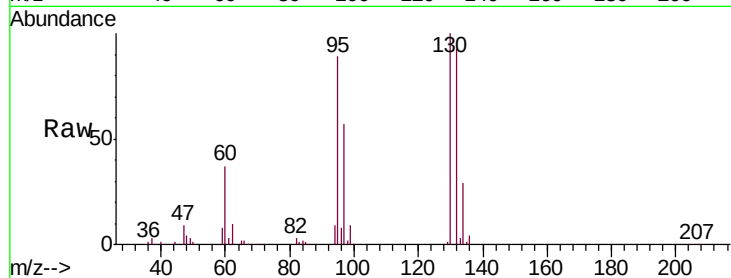
WC-3

Tgt Ion:130 Resp: 56621

Ion Ratio Lower Upper

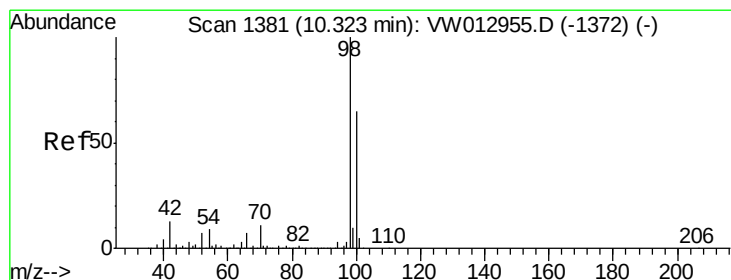
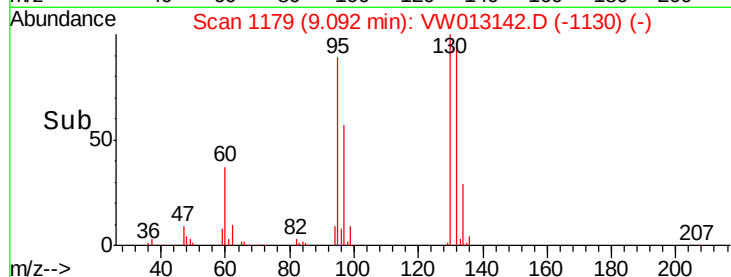
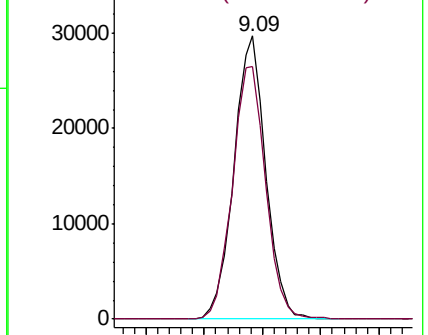
130 100

95 89.5 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 54.389 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013142.D

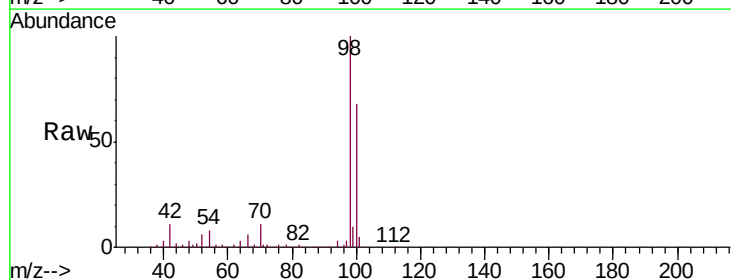
Acq: 19 Sep 2019 05:24

Tgt Ion: 98 Resp: 709863

Ion Ratio Lower Upper

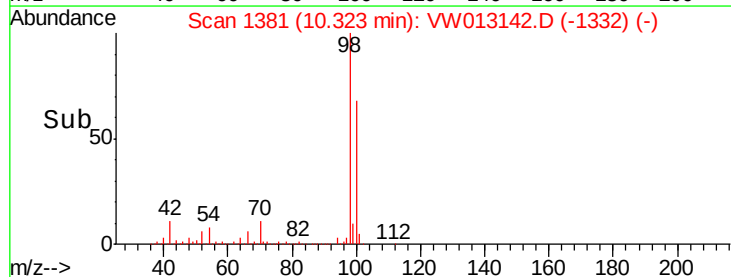
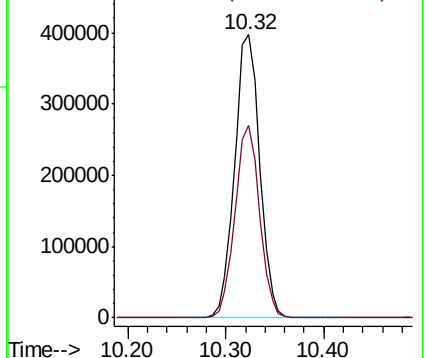
98 100

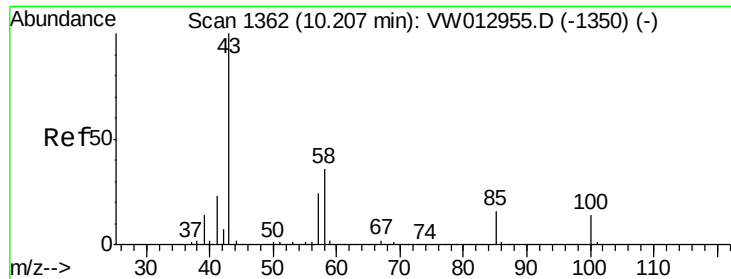
100 66.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

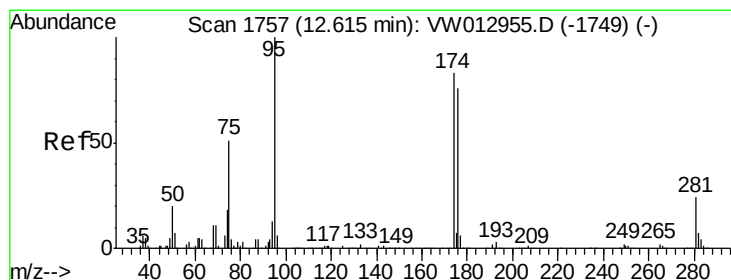
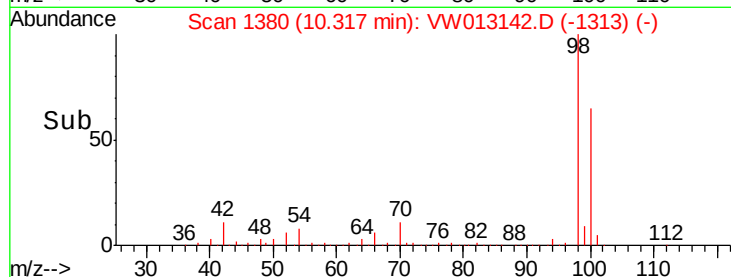
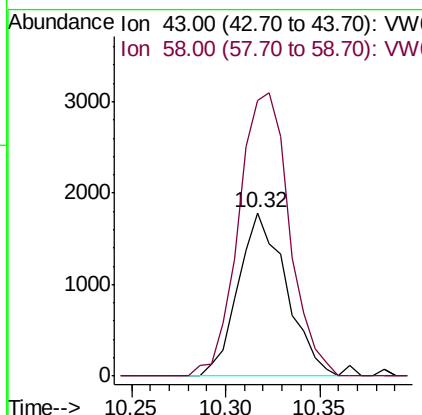
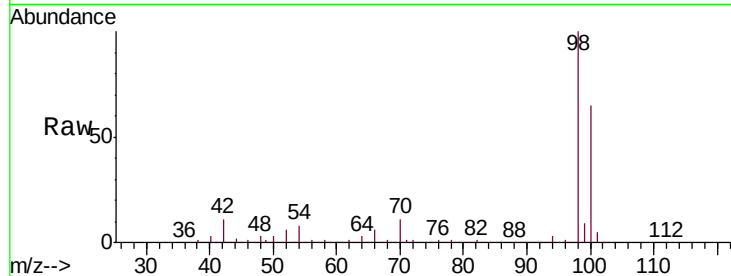




#51
 4-Methyl-2-Pentanone
 Concen: 1.220 ug/l
 RT: 10.32 min Scan# 1380
 Delta R.T. 0.11 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

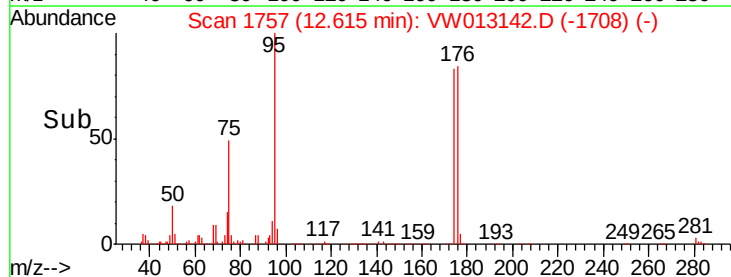
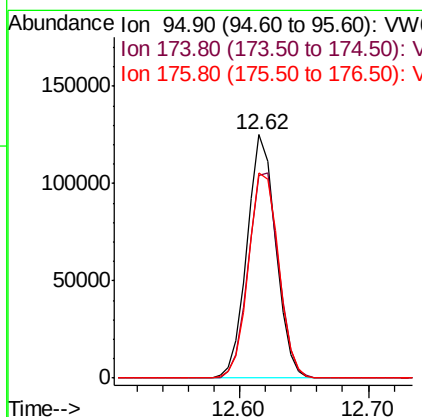
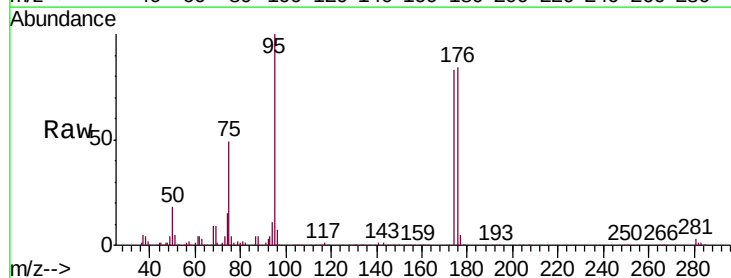
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-3

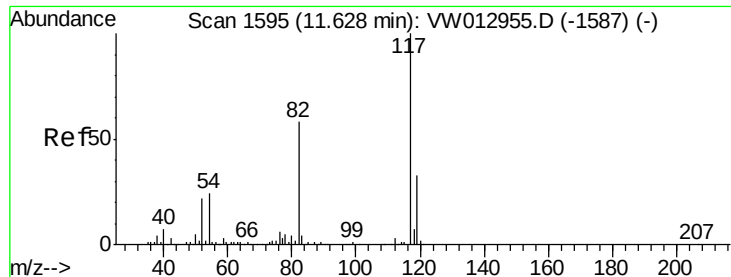
Tgt Ion: 43 Resp: 3154
 Ion Ratio Lower Upper
 43 100
 58 183.0 29.5 44.3#



#62
 4-Bromofluorobenzene
 Concen: 40.985 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

Tgt Ion: 95 Resp: 192346
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 170.4
 176 88.3 0.0 164.6

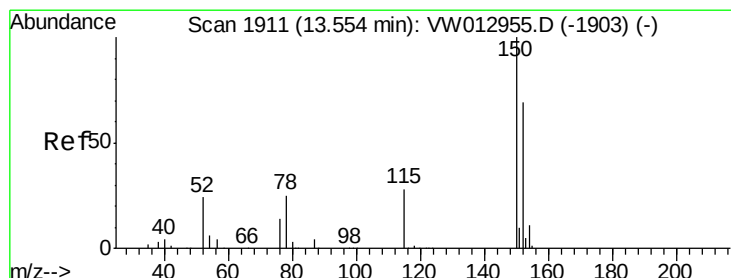
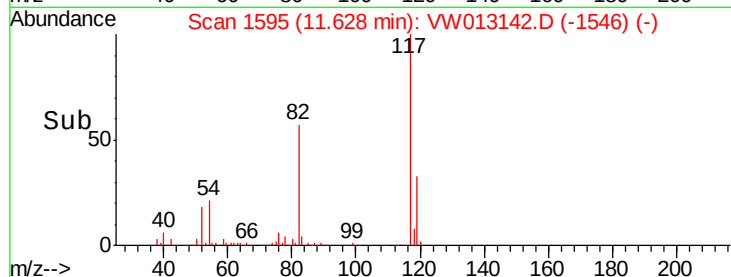
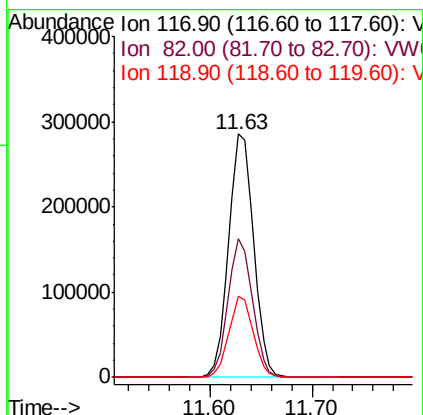
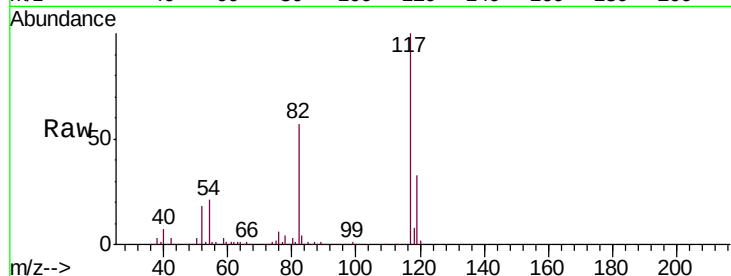




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013142.D
Acq: 19 Sep 2019 05:24

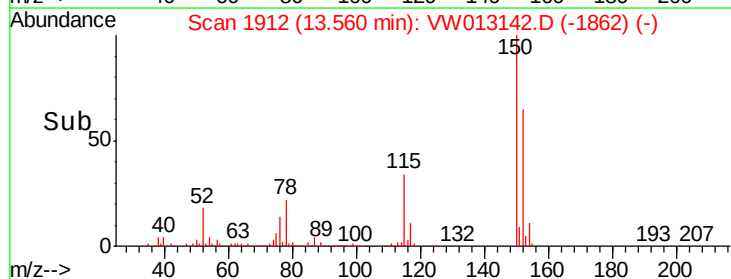
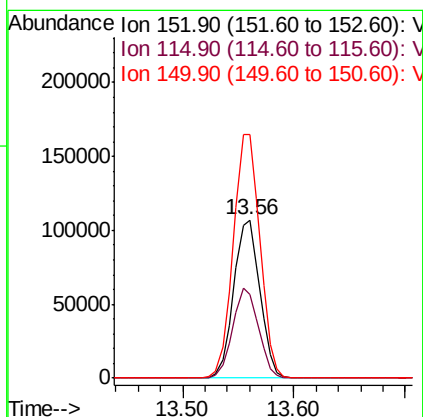
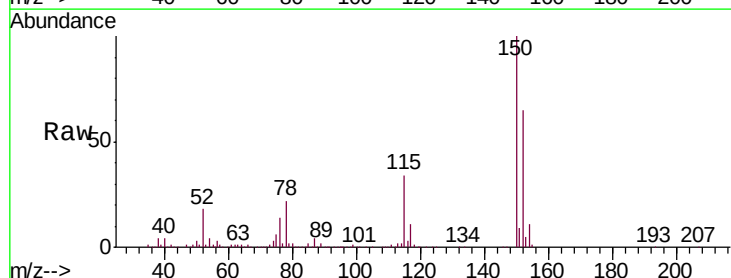
Instrument :
MSVOA_W
ClientSampleId :
WC-3

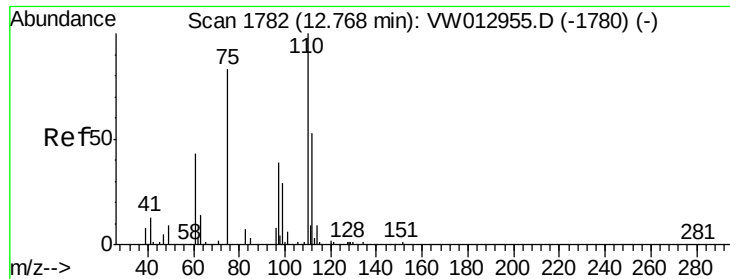
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.3	69.5
119	33.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013142.D
Acq: 19 Sep 2019 05:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.8	86.4
150	156.5	0.0	340.2

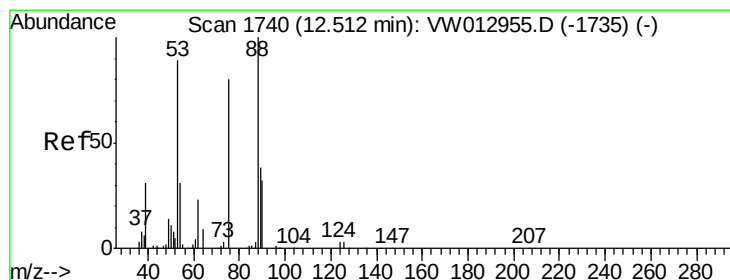
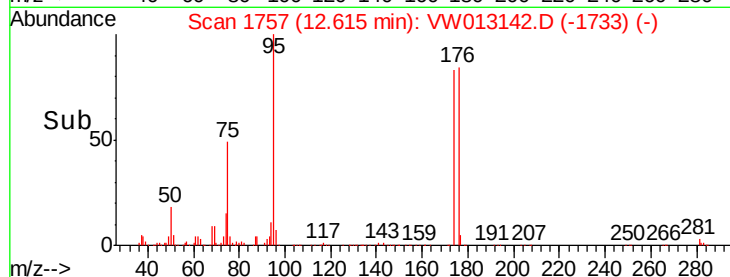
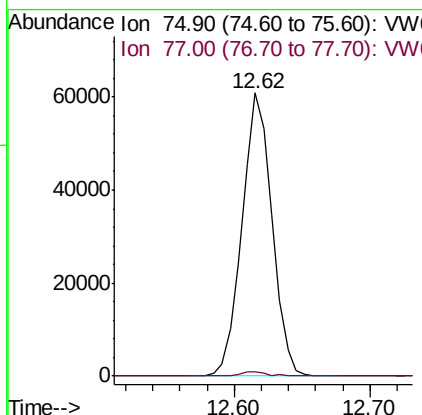
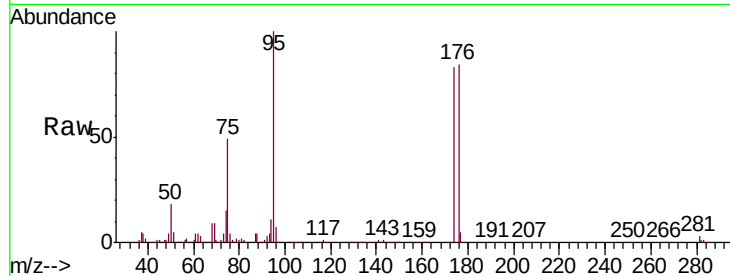




#76
 1,2,3-Trichloropropane
 Concen: 61.432 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

Instrument :
 MSVOA_W
 ClientSampled :
 WC-3

Tgt Ion: 75 Resp: 93740
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.357 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013142.D
 Acq: 19 Sep 2019 05:24

Tgt Ion: 75 Resp: 93740
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.1 37.2 55.8#

