

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012329.D
 Acq On : 30 Aug 2019 03:41
 Operator : SY/VA
 Sample : K4568-17
 Misc : 5.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-35-9.5-10.0

Quant Time: Aug 30 06:55:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	6372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	9080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	5362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	736	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	3758	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	7.88	113	3237	59.72	ug/l	0.00
Spiked Amount			Recovery	=	119.44%	
50) Toluene-d8	10.32	98	9622	43.78	ug/l	0.00
Spiked Amount			Recovery	=	87.56%	
62) 4-Bromofluorobenzene	12.62	95	1395	18.01	ug/l	0.00
Spiked Amount			Recovery	=	36.02%	

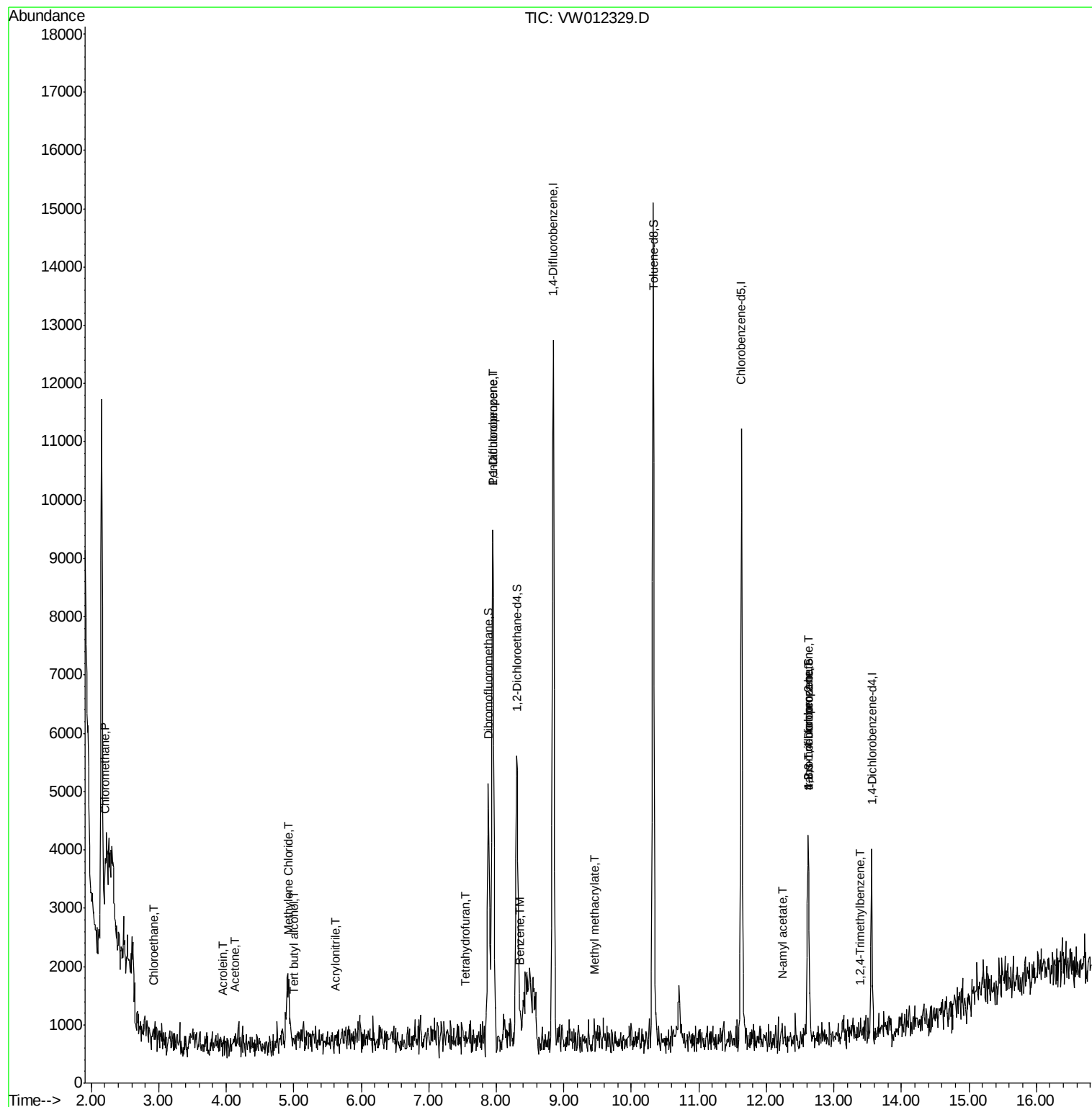
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	335	5.511	ug/l #	56
6) Chloroethane	2.93	64	104	2.478	ug/l #	45
11) Tert butyl alcohol	4.99	59	20	4.387	ug/l #	71
13) Acrolein	3.95	56	19	4.428	ug/l #	15
15) Acrylonitrile	5.62	53	19	1.081	ug/l #	17
16) Acetone	4.12	43	270	13.944	ug/l #	47
20) Methylene Chloride	4.93	84	698	9.536	ug/l	89
29) Tetrahydrofuran	7.55	42	25	1.584	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	476	5.073	ug/l #	44
40) Benzene	8.35	78	505	1.971	ug/l #	51
48) Methyl methacrylate	9.44	41	185	4.081	ug/l #	28
74) N-amyl acetate	12.24	43	20	1.200	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	719	100.305	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	719	219.923	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.38	105	49	1.059	ug/l #	32

(#) = 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# 992

Delta R.T. 0.01 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

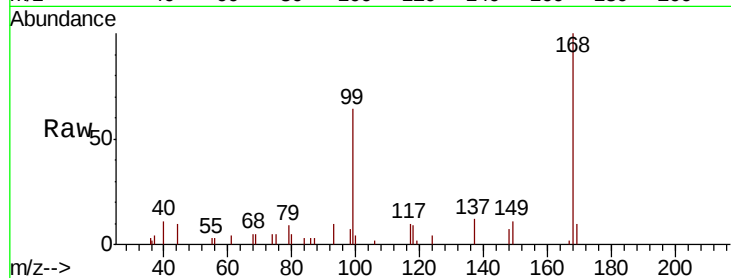
SB-35-9.5-10.0

Tgt Ion:168 Resp: 6372

Ion Ratio Lower Upper

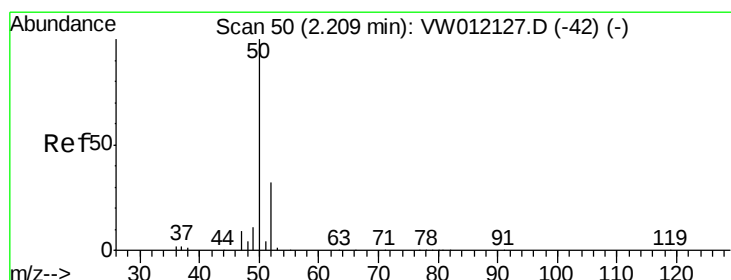
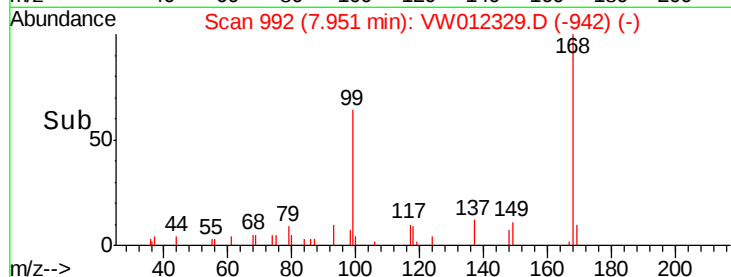
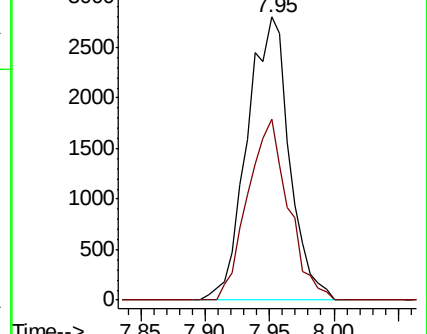
168 100

99 63.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 5.511 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012329.D

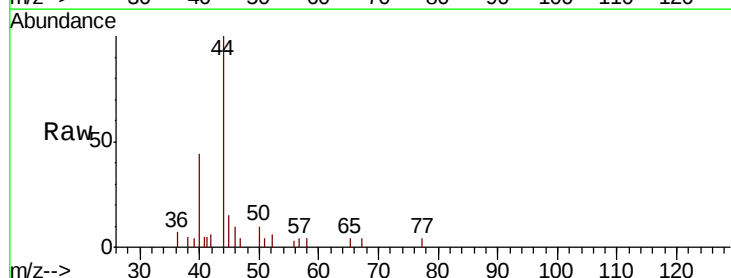
Acq: 30 Aug 2019 03:41

Tgt Ion: 50 Resp: 335

Ion Ratio Lower Upper

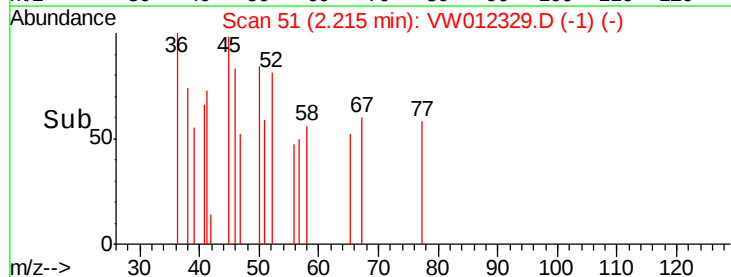
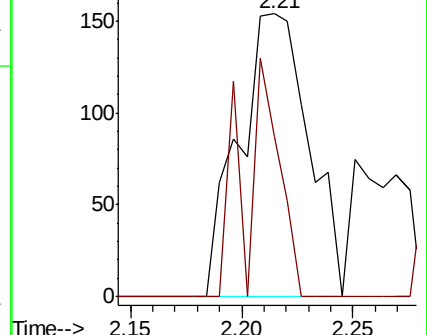
50 100

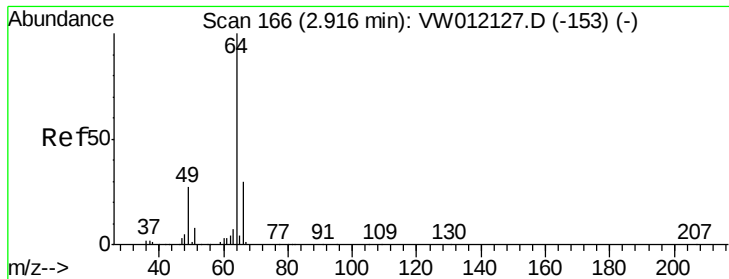
52 56.5 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 2.478 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.02 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

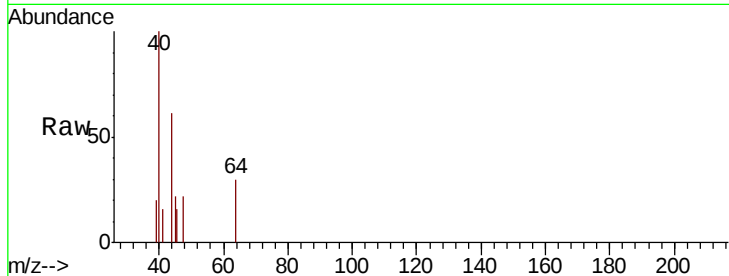
SB-35-9.5-10.0

Tgt Ion: 64 Resp: 104

Ion Ratio Lower Upper

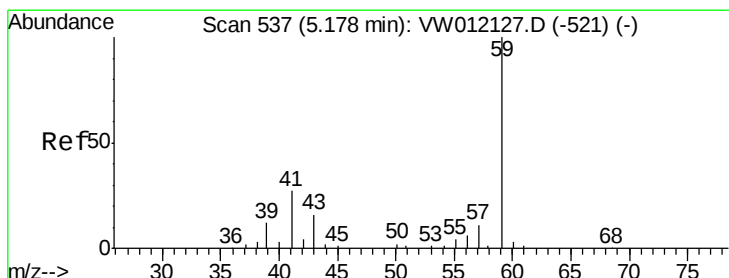
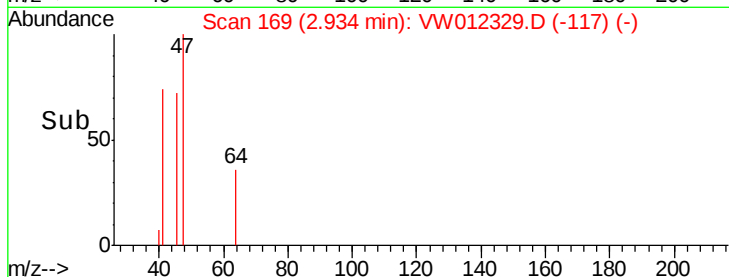
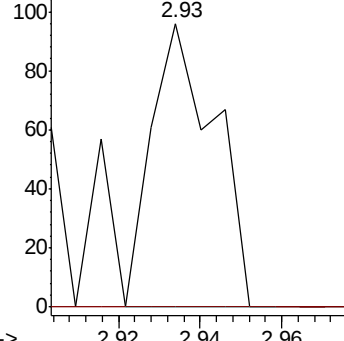
64 100

66 0.0 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



#11

Tert butyl alcohol

Concen: 4.387 ug/l

RT: 4.99 min Scan# 507

Delta R.T. -0.18 min

Lab File: VW012329.D

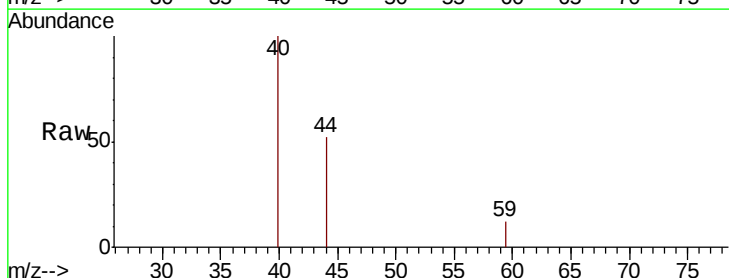
Acq: 30 Aug 2019 03:41

Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

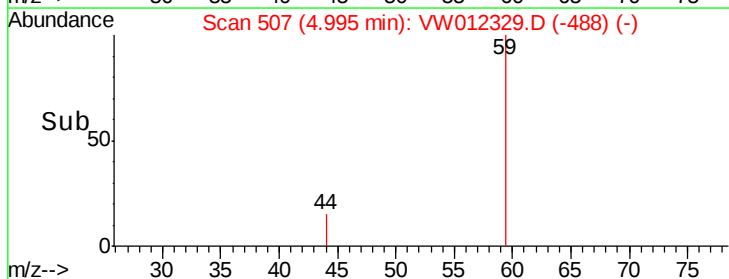
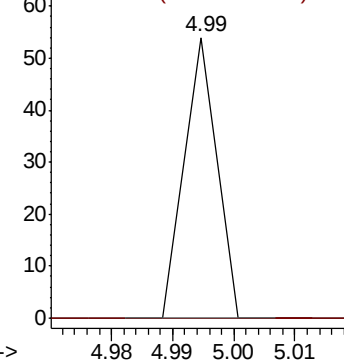
59 100

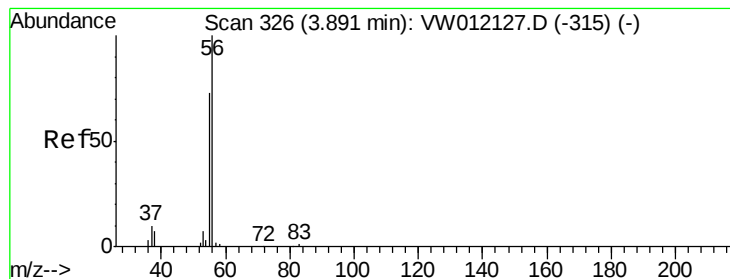
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.428 ug/l

RT: 3.95 min Scan# 336

Delta R.T. 0.06 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

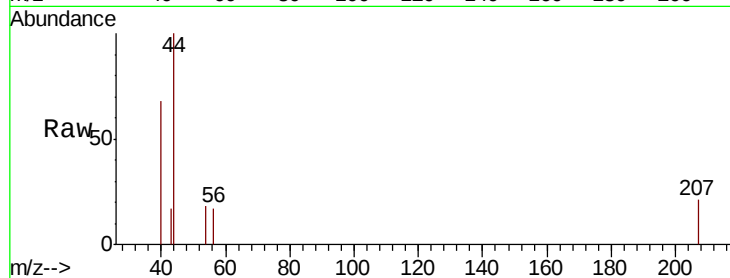
SB-35-9.5-10.0

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

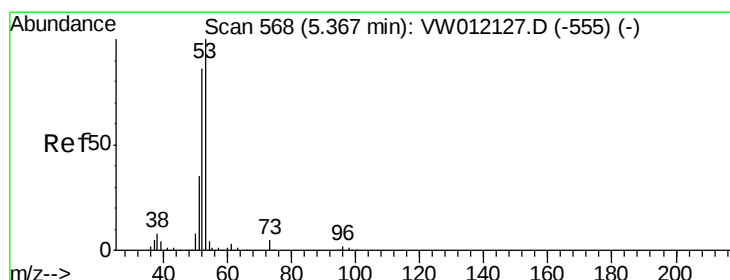
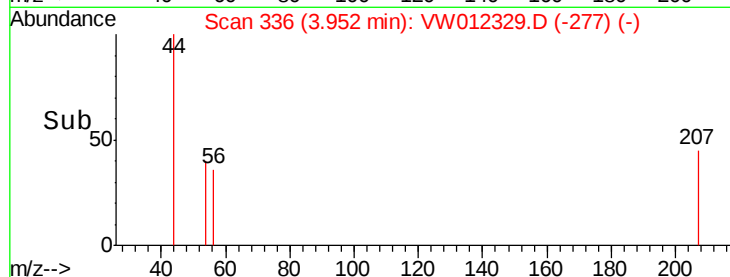


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.95

Time--> 3.93 3.94 3.95 3.96 3.97



#15

Acrylonitrile

Concen: 1.081 ug/l

RT: 5.62 min Scan# 610

Delta R.T. 0.26 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

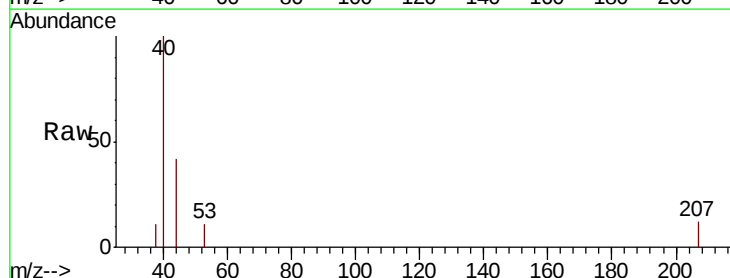
Tgt Ion: 53 Resp: 19

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 0.0 30.1 45.1#



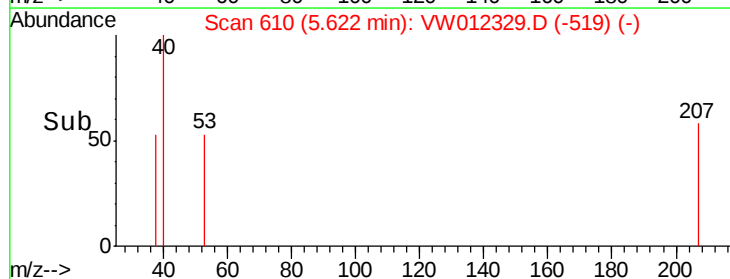
Abundance Ion 53.00 (52.70 to 53.70): VW

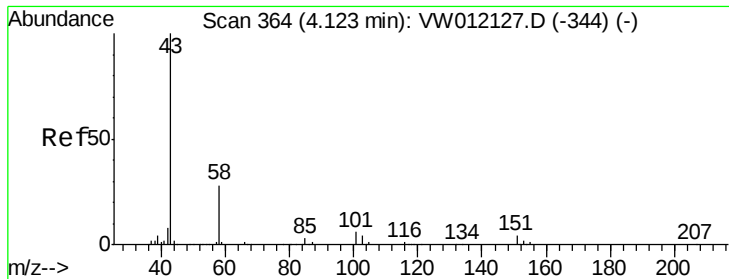
Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW

5.62

Time--> 5.60 5.61 5.62 5.63 5.64





#16

Acetone

Concen: 13.944 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

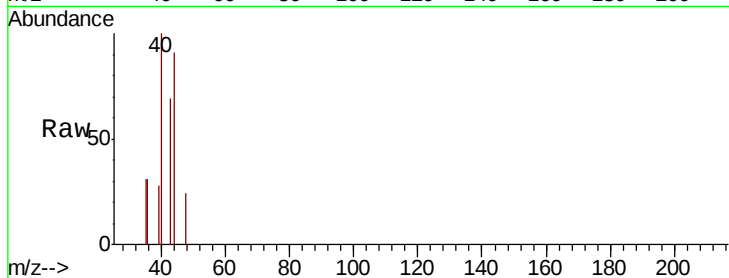
SB-35-9.5-10.0

Tgt Ion: 43 Resp: 270

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

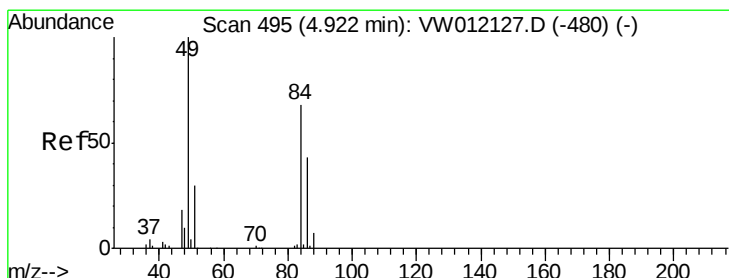
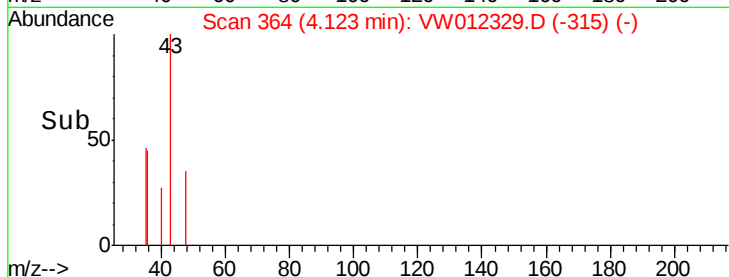
150

100

50

0

Time--> 4.08 4.10 4.12 4.14



#20

Methylene Chloride

Concen: 9.536 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Tgt Ion: 84 Resp: 698

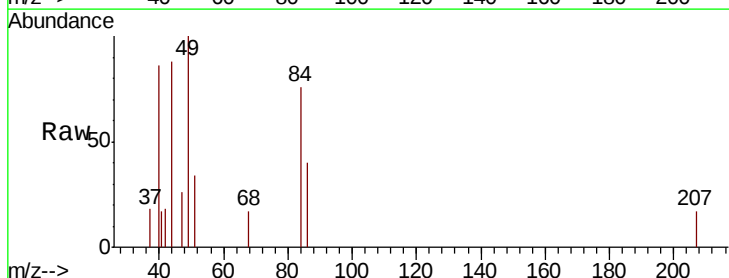
Ion Ratio Lower Upper

84 100

49 131.5 117.8 176.8

51 44.1 35.6 53.4

86 52.0 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

500

400

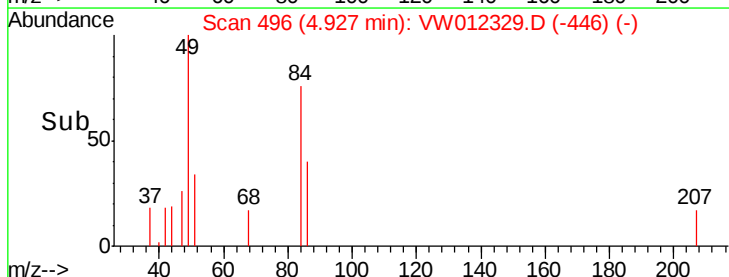
300

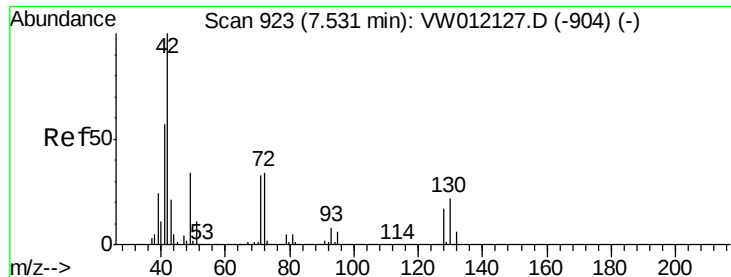
200

100

0

Time--> 4.85 4.90 4.95

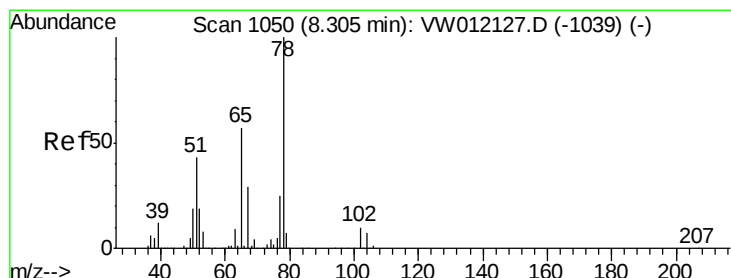
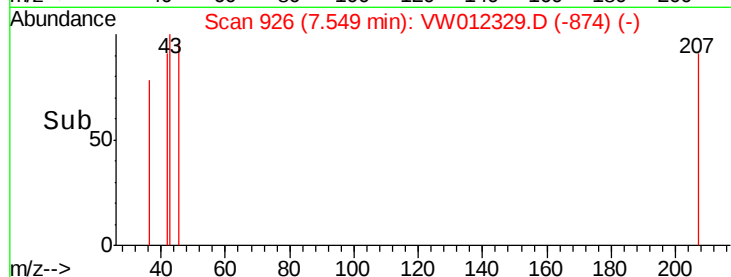
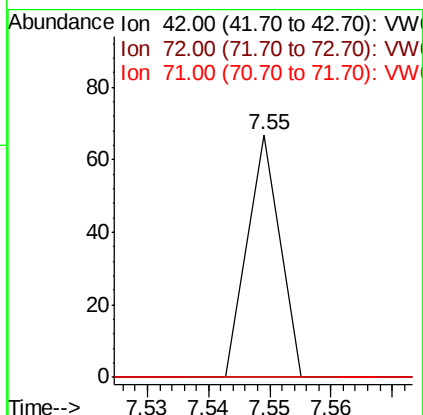
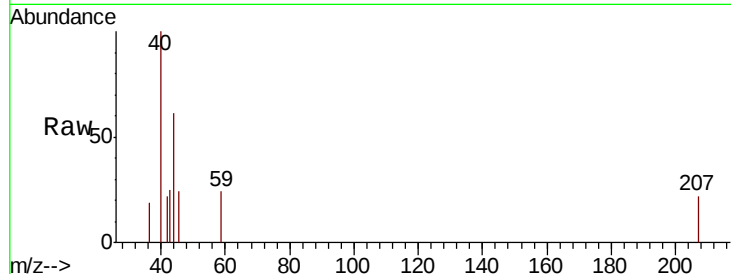




#29
Tetrahydrofuran
Concen: 1.584 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW012329.D
Acq: 30 Aug 2019 03:41

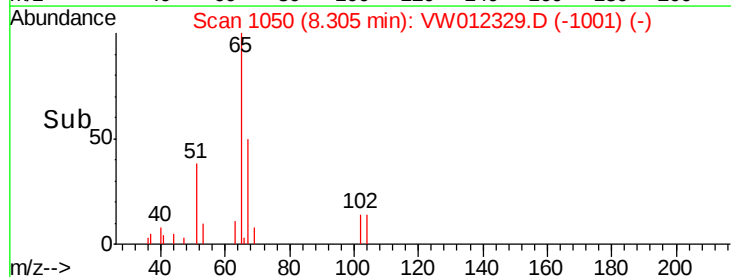
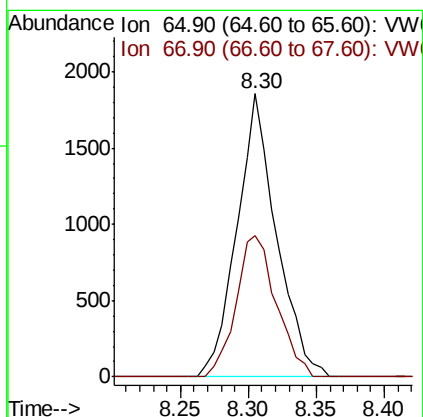
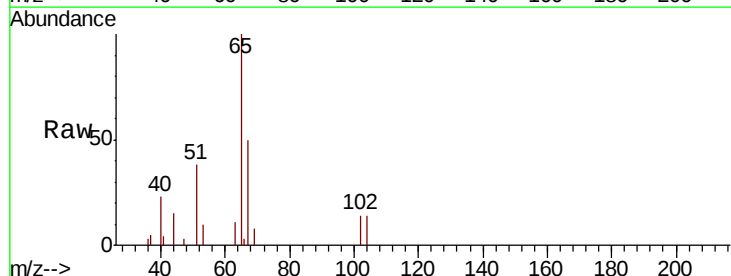
Instrument :
MSVOA_W
ClientSampleId :
SB-35-9.5-10.0

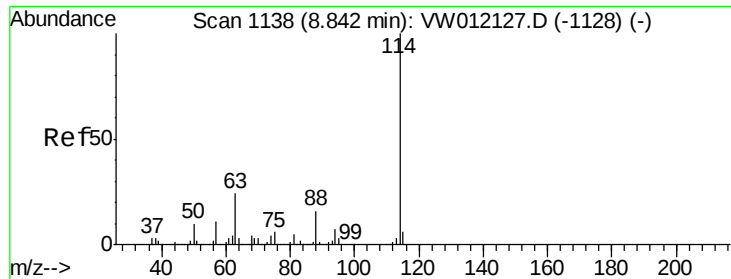
Tgt Ion: 42 Resp: 25
Ion Ratio Lower Upper
42 100
72 0.0 27.3 40.9#
71 0.0 25.5 38.3#



#33
1,2-Dichloroethane-d4
Concen: 49.612 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012329.D
Acq: 30 Aug 2019 03:41

Tgt Ion: 65 Resp: 3758
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.6

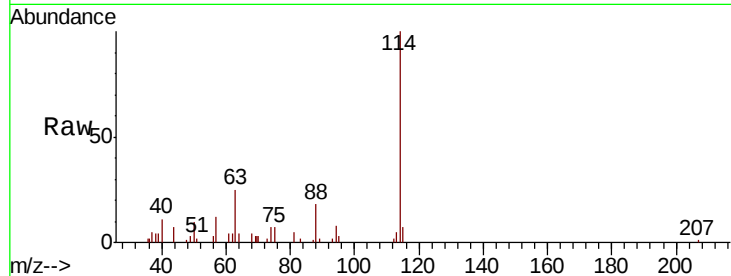




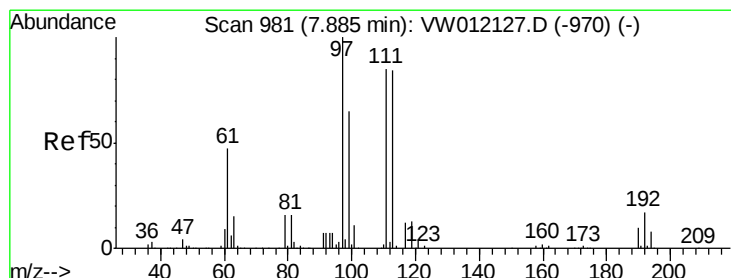
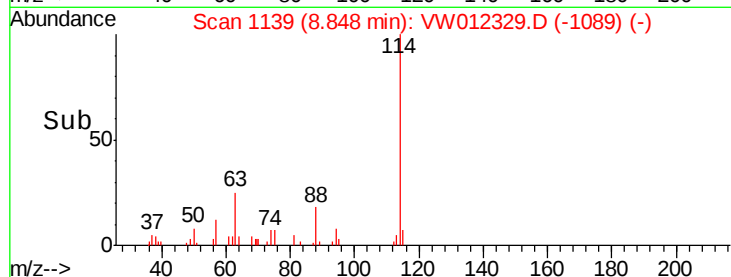
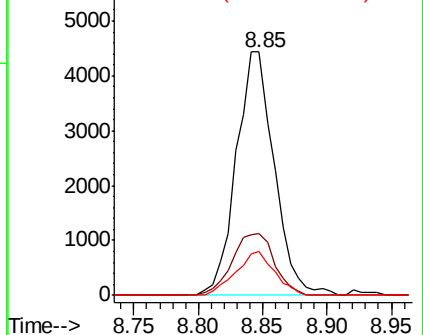
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW012329.D
 Acq: 30 Aug 2019 03:41

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-35-9.5-10.0

Tgt Ion:114 Resp: 9080
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 48.6
 88 18.3 0.0 32.2

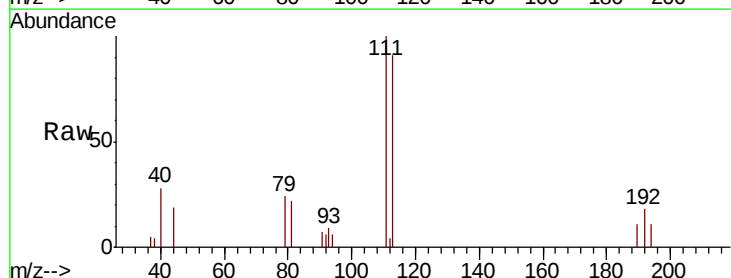


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

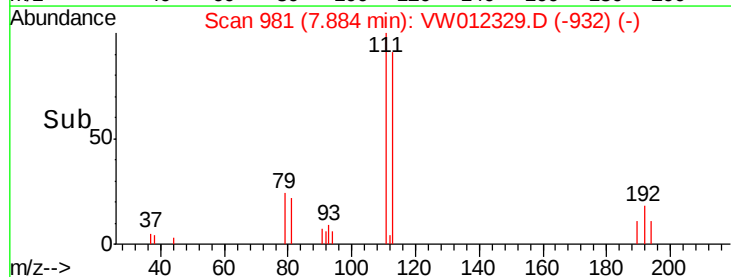
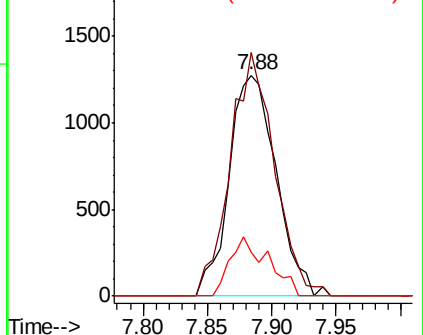


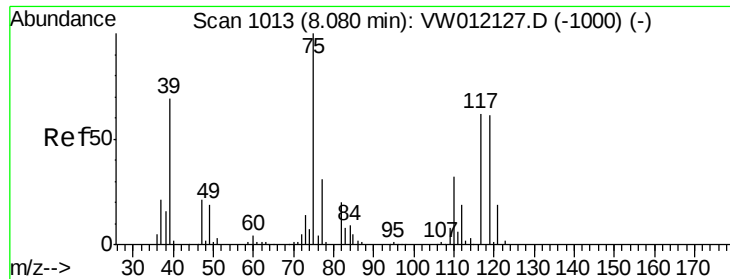
#35
 Dibromofluoromethane
 Concen: 59.725 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012329.D
 Acq: 30 Aug 2019 03:41

Tgt Ion:113 Resp: 3237
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 21.9 16.2 24.2



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

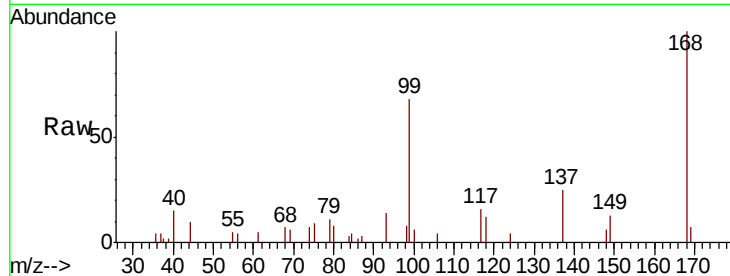




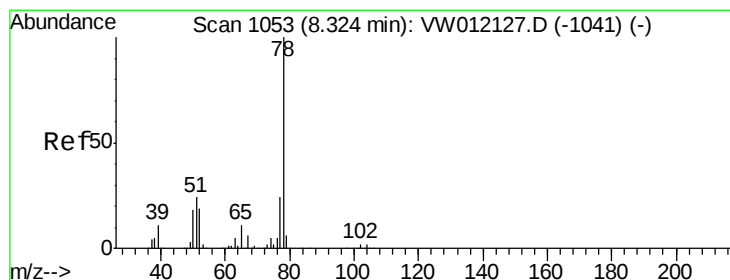
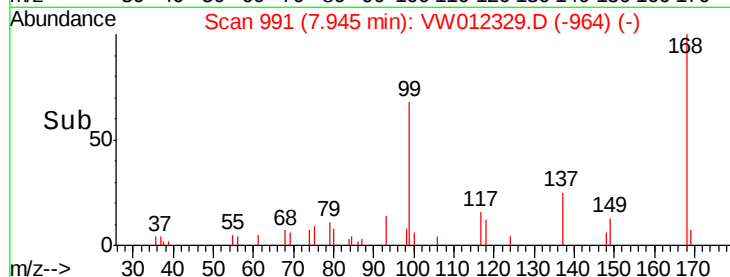
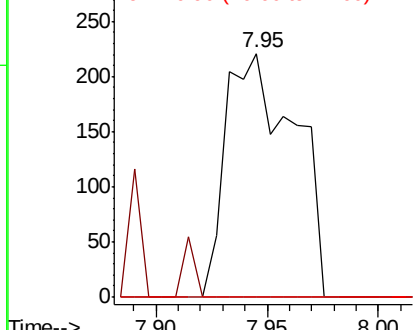
#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012329.D
 Acq: 30 Aug 2019 03:41

Instrument :
 MSVOA_W
 ClientSampled :
 SB-35-9.5-10.0

Tgt Ion: 75 Resp: 476
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.6 46.8#
 77 0.0 24.6 36.8#

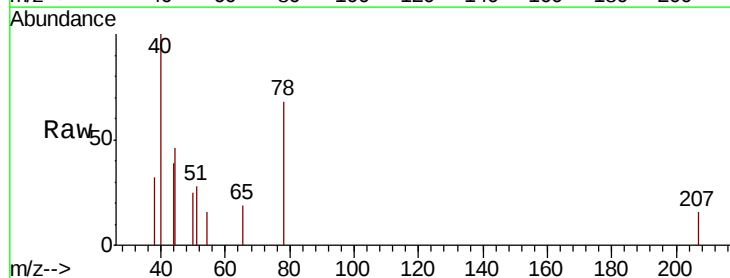


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

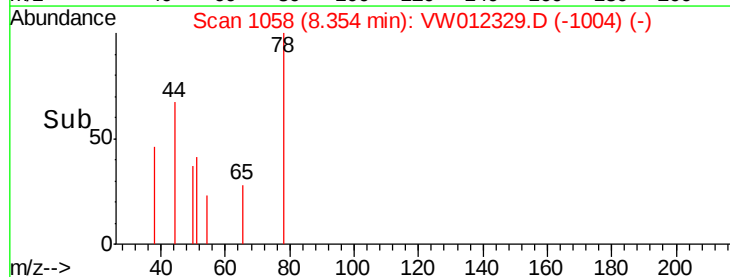
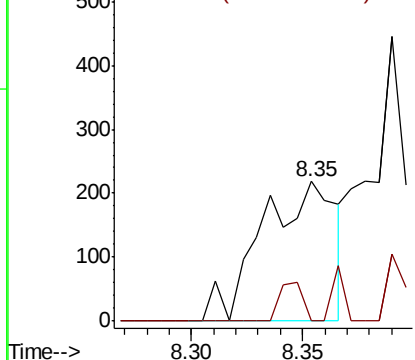


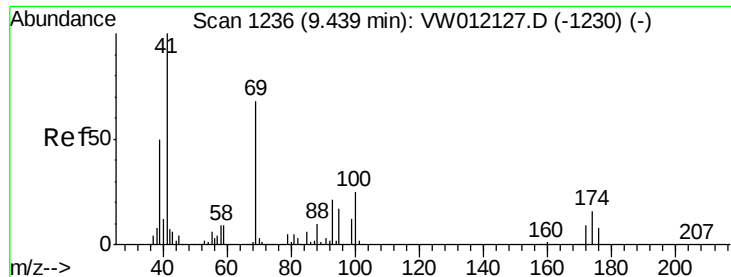
#40
 Benzene
 Concen: 1.971 ug/l
 RT: 8.35 min Scan# 1058
 Delta R.T. 0.03 min
 Lab File: VW012329.D
 Acq: 30 Aug 2019 03:41

Tgt Ion: 78 Resp: 505
 Ion Ratio Lower Upper
 78 100
 77 0.0 19.5 29.3#



Abundance Ion 78.00 (77.70 to 78.70): VW
 Ion 77.00 (76.70 to 77.70): VW

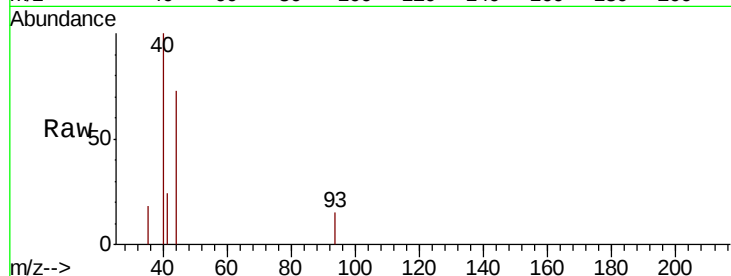




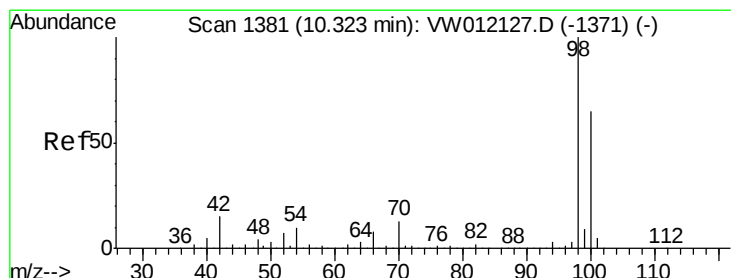
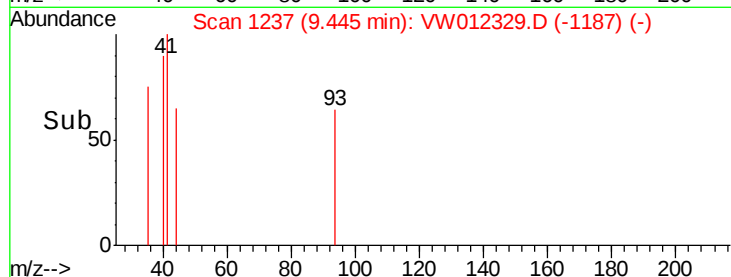
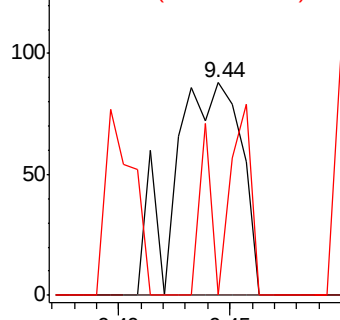
#48
Methyl methacrylate
Concen: 4.081 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW012329.D
Acq: 30 Aug 2019 03:41

Instrument :
MSVOA_W
ClientSampleId :
SB-35-9.5-10.0

Tgt Ion: 41 Resp: 185
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 14.1 42.0 63.0#

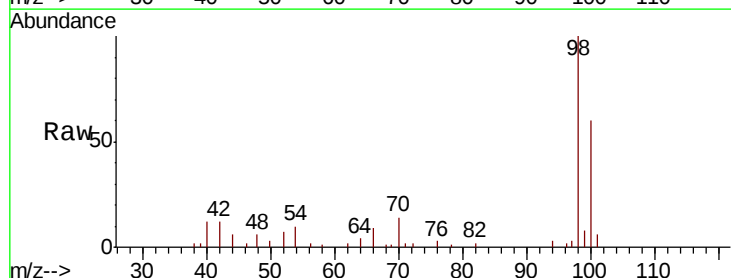


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

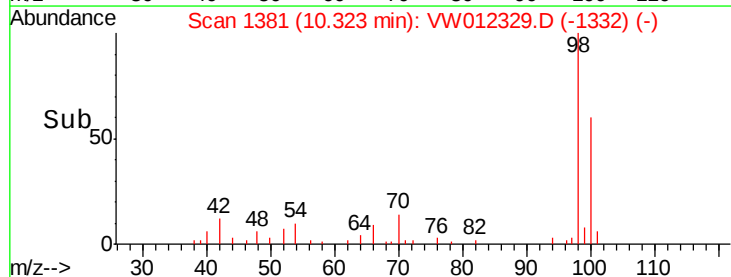
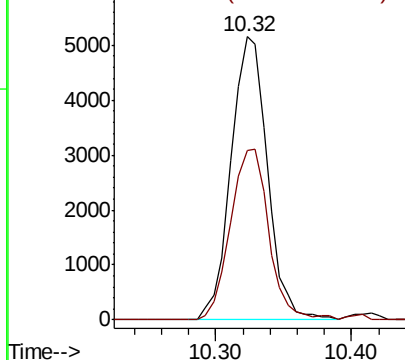


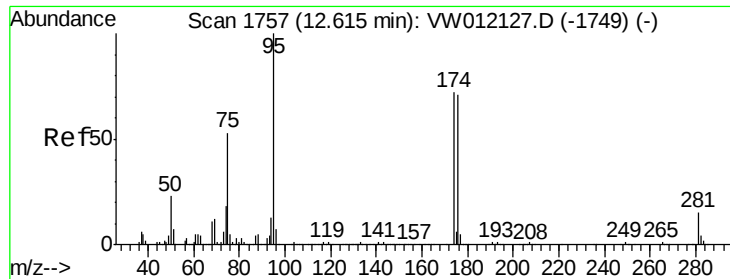
#50
Toluene-d8
Concen: 43.784 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012329.D
Acq: 30 Aug 2019 03:41

Tgt Ion: 98 Resp: 9622
Ion Ratio Lower Upper
98 100
100 63.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

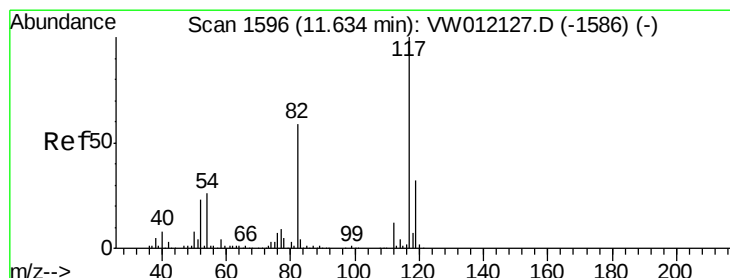
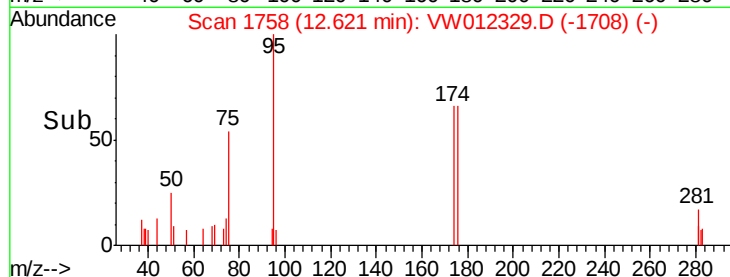
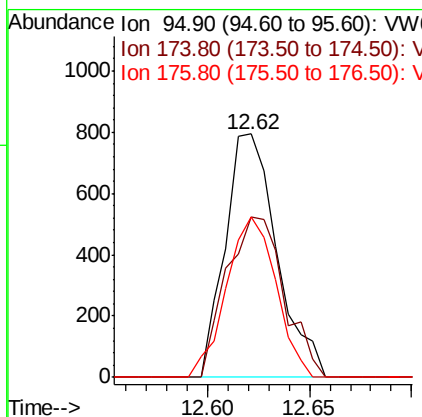
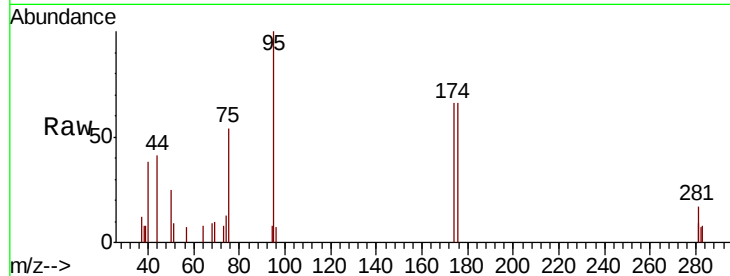




#62
4-Bromofluorobenzene
Concen: 18.008 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012329.D
Acq: 30 Aug 2019 03:41

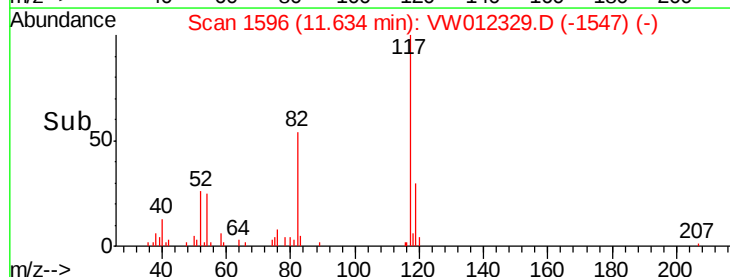
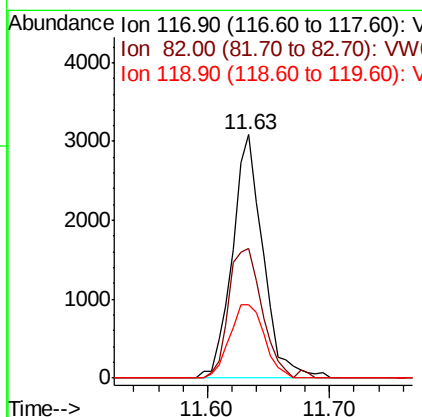
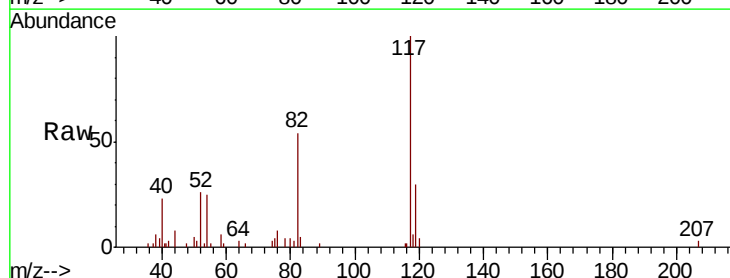
Instrument :
MSVOA_W
ClientSampleId :
SB-35-9.5-10.0

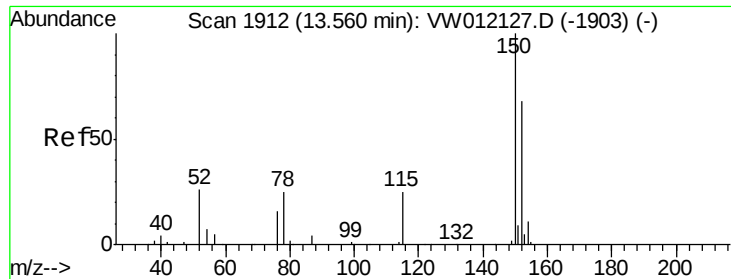
Tgt Ion: 95 Resp: 1395
Ion Ratio Lower Upper
95 100
174 73.5 0.0 150.8
176 63.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012329.D
Acq: 30 Aug 2019 03:41

Tgt Ion: 117 Resp: 5362
Ion Ratio Lower Upper
117 100
82 53.5 47.4 71.2
119 30.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

SB-35-9.5-10.0

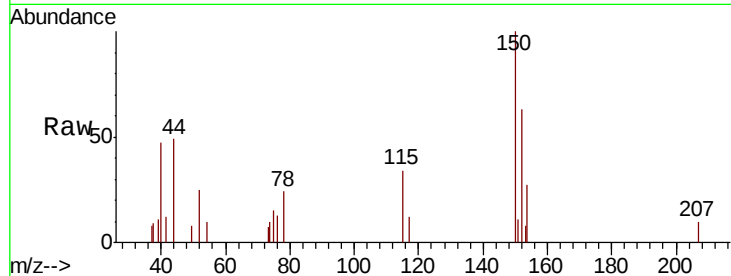
Tgt Ion:152 Resp: 736

Ion Ratio Lower Upper

152 100

115 70.5 30.1 90.3

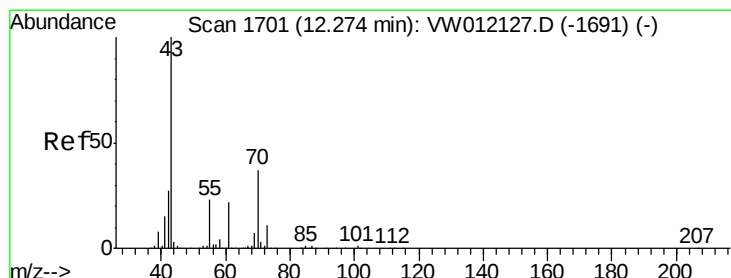
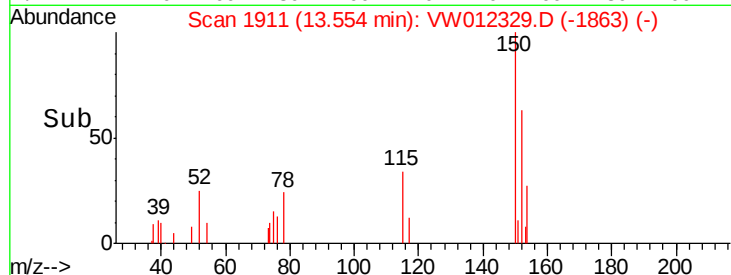
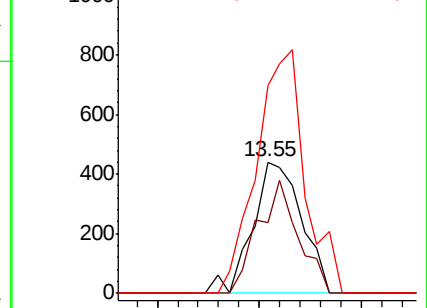
150 183.2 0.0 345.8



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



#74

N-ethyl acetate

Concen: 1.200 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Tgt Ion: 43 Resp: 20

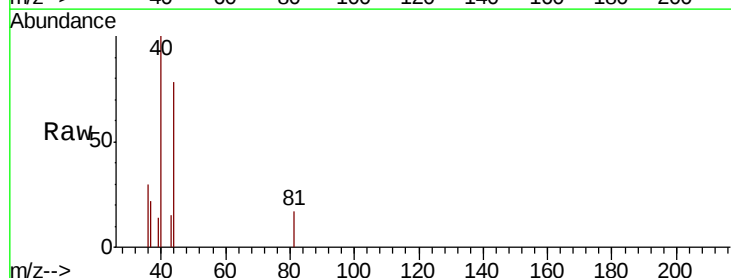
Ion Ratio Lower Upper

43 100

70 0.0 28.6 43.0#

55 0.0 17.8 26.6#

61 0.0 17.3 25.9#

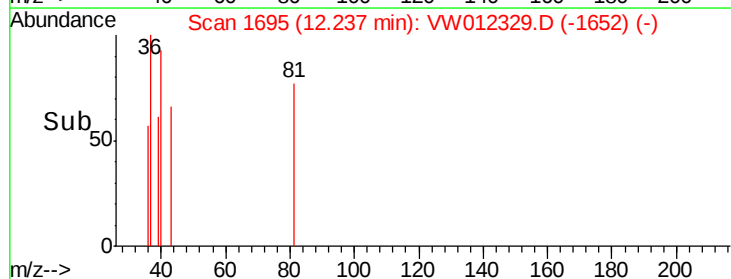
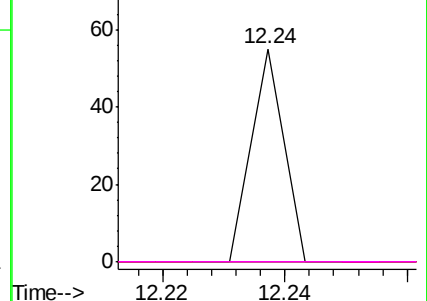


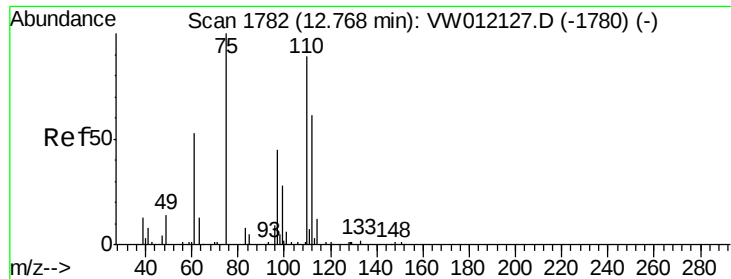
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 100.305 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

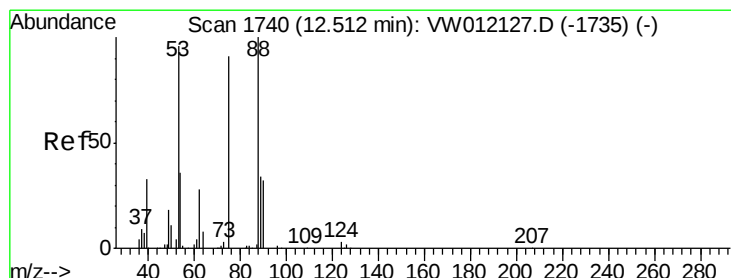
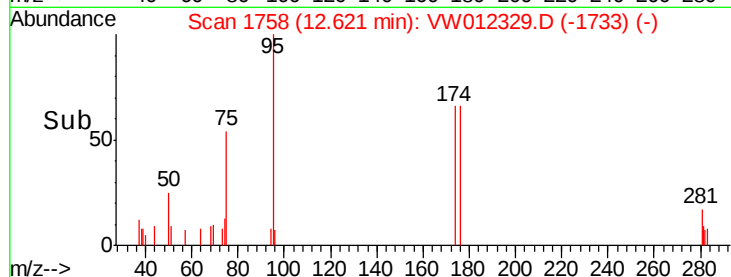
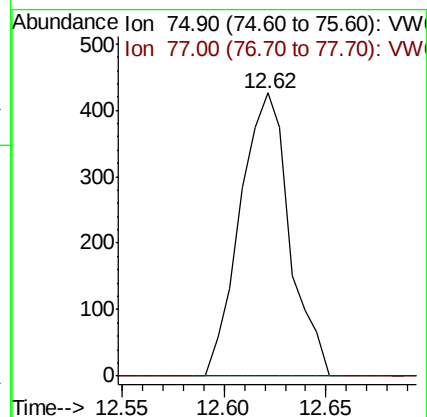
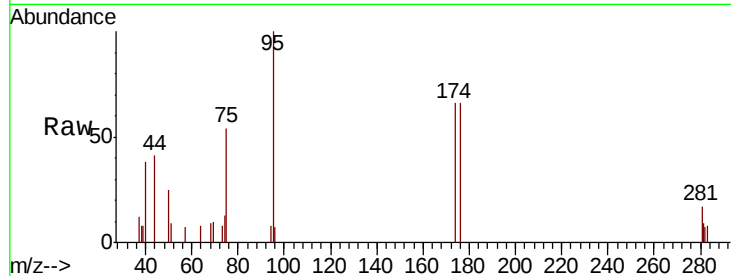
SB-35-9.5-10.0

Tgt Ion: 75 Resp: 719

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 219.923 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

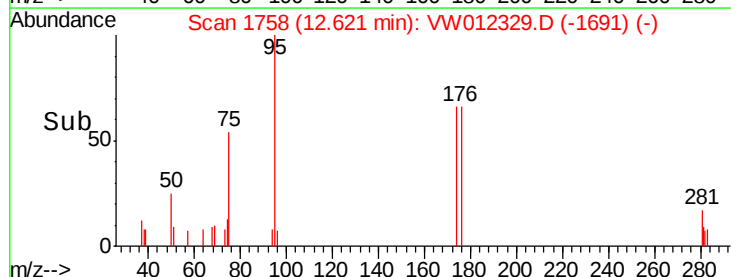
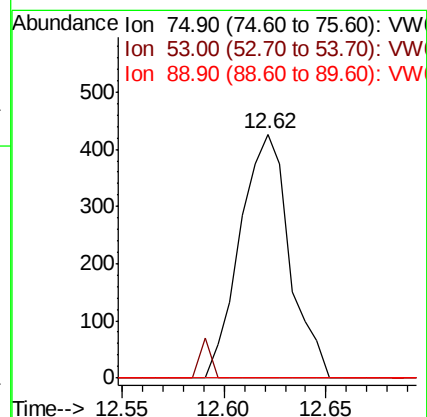
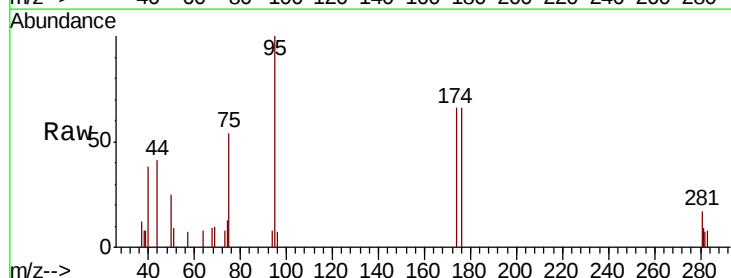
Tgt Ion: 75 Resp: 719

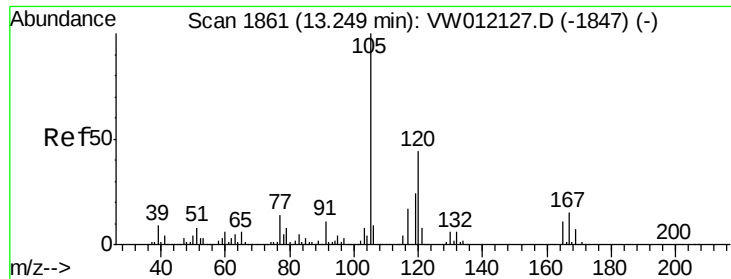
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#





#84

1,2,4-Trimethylbenzene

Concen: 1.059 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.13 min

Lab File: VW012329.D

Acq: 30 Aug 2019 03:41

Instrument :

MSVOA_W

ClientSampleId :

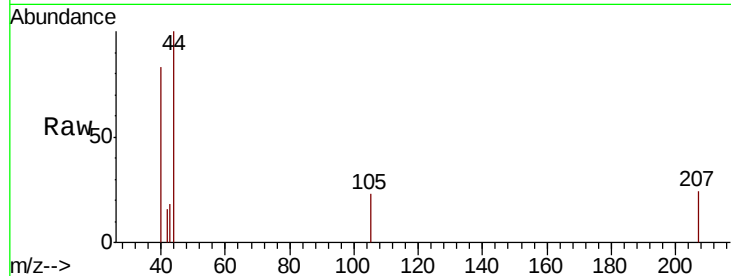
SB-35-9.5-10.0

Tgt Ion:105 Resp: 49

Ion Ratio Lower Upper

105 100

120 0.0 21.9 65.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

