

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012910.D
 Acq On : 11 Sep 2019 12:06
 Operator : SY/VA
 Sample : K4692-09
 Misc : 5.10G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-9.5-10.0RE

Quant Time: Sep 11 12:30:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	202896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	297673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	204973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52981	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	109623	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	7.88	113	89868	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.32	98	332641	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	12.62	95	75210	29.88	ug/l	0.00
Spiked Amount			Recovery	=	59.76%	

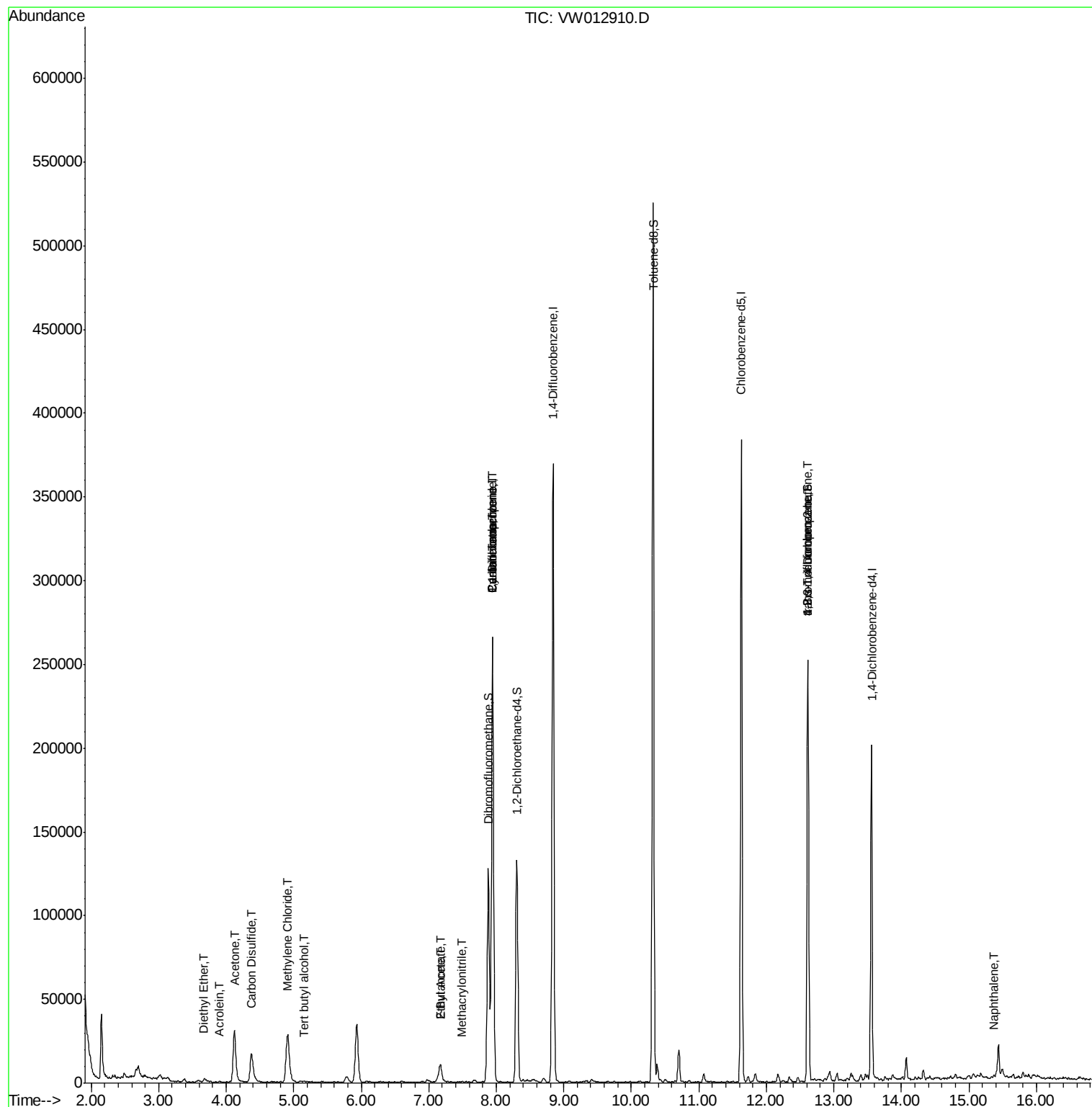
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1071	1.127	ug/l	87
11) Tert butyl alcohol	5.16	59	249	1.436	ug/l	95
13) Acrolein	3.90	56	681	3.700	ug/l	89
16) Acetone	4.12	43	57561	93.136	ug/l	98
17) Carbon Disulfide	4.37	76	36376	10.228	ug/l	96
20) Methylene Chloride	4.90	84	22827	11.806	ug/l	89
25) 2-Butanone	7.17	43	15360	35.231	ug/l	93
31) Cyclohexane	7.95	56	4722	1.417	ug/l #	14
36) 1,1-Dichloropropene	7.95	75	16299	6.162	ug/l #	51
37) Ethyl Acetate	7.17	43	15360	9.110	ug/l #	79
38) Carbon Tetrachloride	7.95	117	18943	7.266	ug/l #	16
41) Methacrylonitrile	7.49	41	93	3.914	ug/l #	7
76) 1,2,3-Trichloropropane	12.62	75	39737	73.349	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	39737	155.138	ug/l #	7
95) Naphthalene	15.36	128	2008	5.262	ug/l #	96

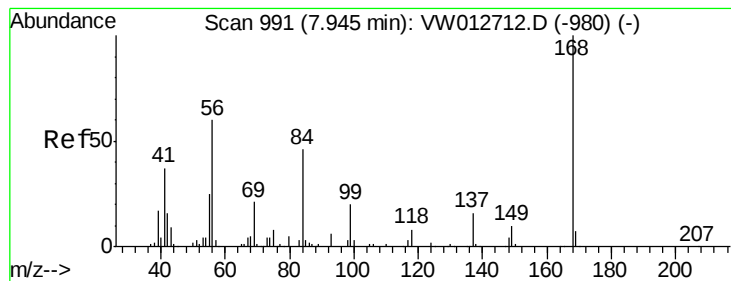
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012910.D

Acq: 11 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

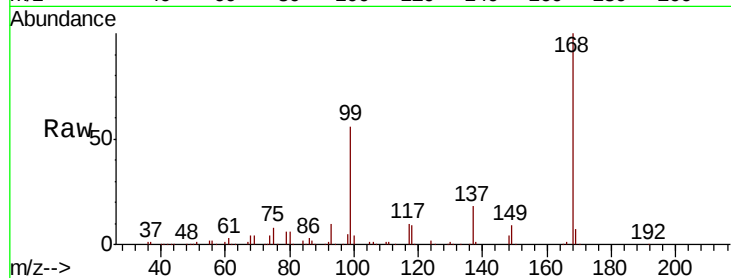
SB-28-9.5-10.0RE

Tgt Ion:168 Resp: 202896

Ion Ratio Lower Upper

168 100

99 55.6 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

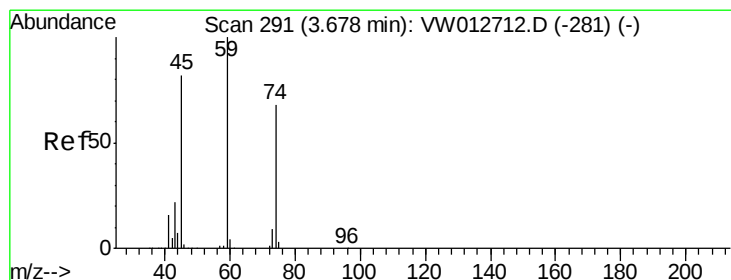
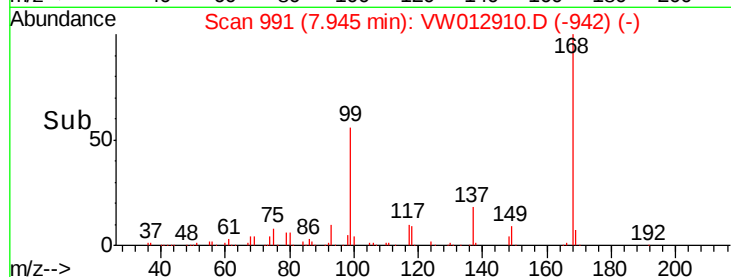
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.127 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012910.D

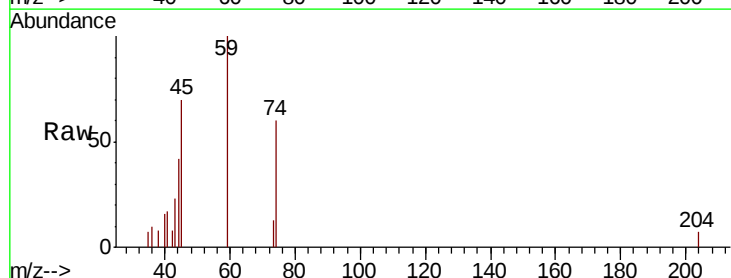
Acq: 11 Sep 2019 12:06

Tgt Ion: 74 Resp: 1071

Ion Ratio Lower Upper

74 100

45 131.8 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

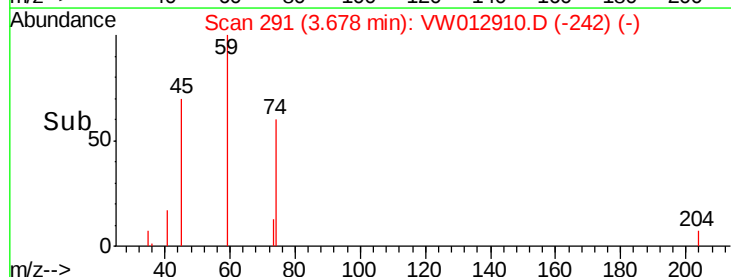
600

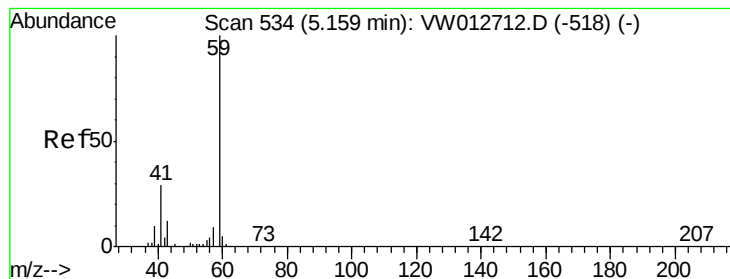
400

200

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 1.436 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.00 min

Lab File: VW012910.D

Acq: 11 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

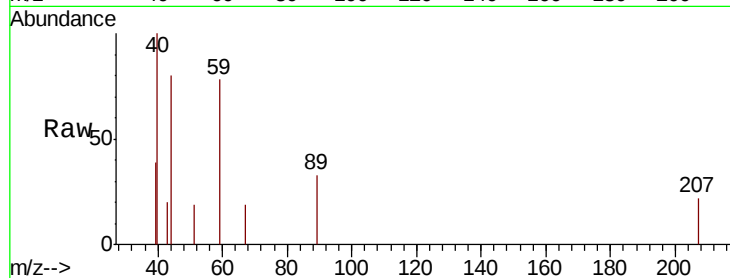
SB-28-9.5-10.0RE

Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

59 100

57 8.4 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

150

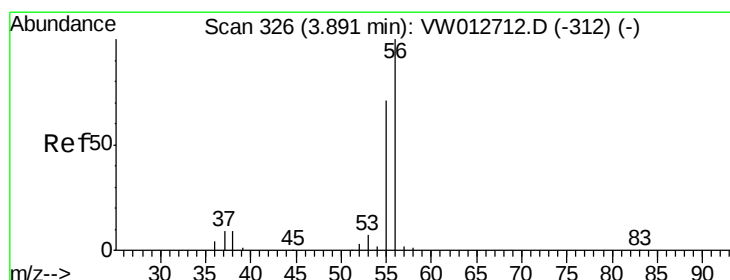
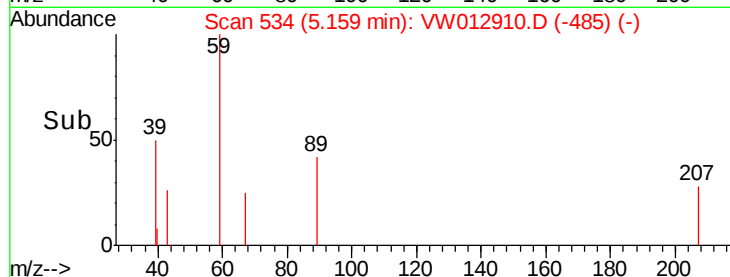
100

50

0

5.13 5.14 5.15 5.16 5.17

Time-->



#13

Acrolein

Concen: 3.700 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012910.D

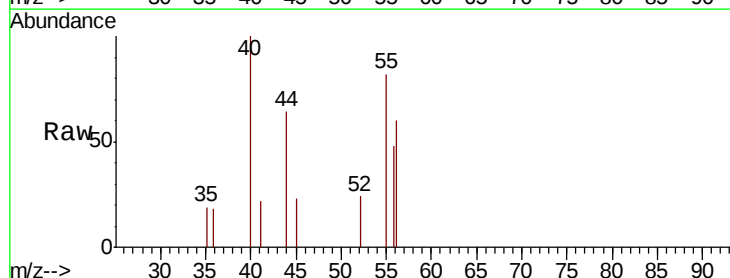
Acq: 11 Sep 2019 12:06

Tgt Ion: 56 Resp: 681

Ion Ratio Lower Upper

56 100

55 61.7 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

300

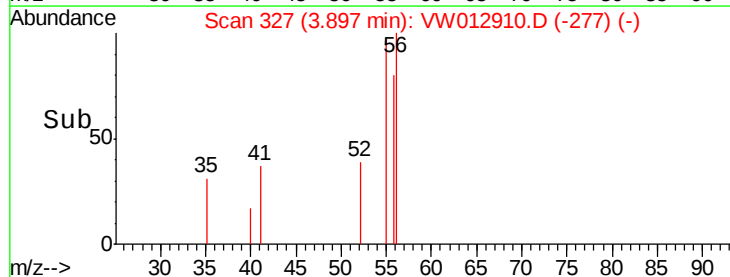
200

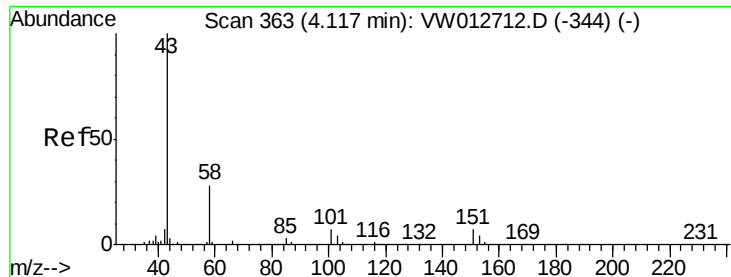
100

0

3.85 3.90 3.95

Time-->





#16

Acetone

Concen: 93.136 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012910.D

Acq: 11 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

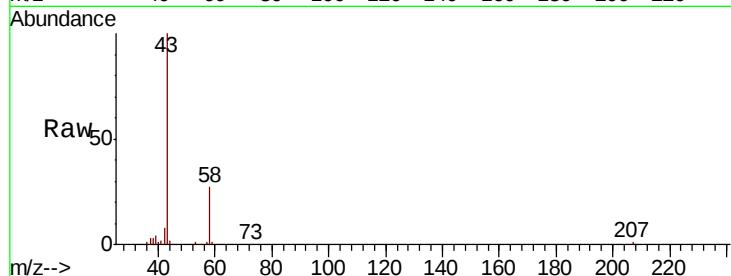
SB-28-9.5-10.0RE

Tgt Ion: 43 Resp: 57561

Ion Ratio Lower Upper

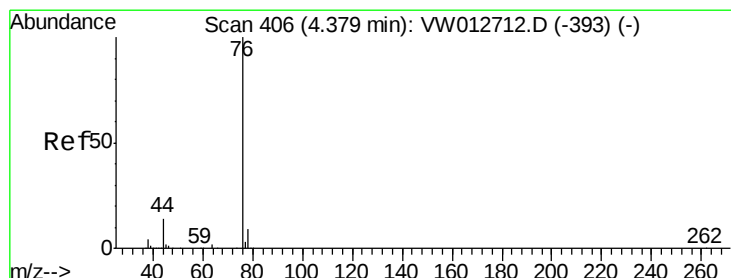
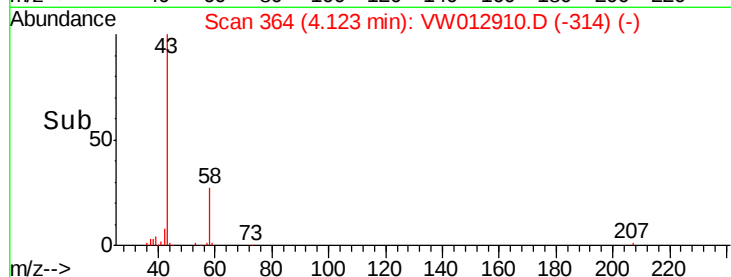
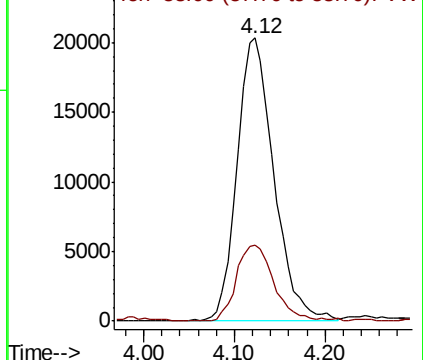
43 100

58 26.9 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 10.228 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012910.D

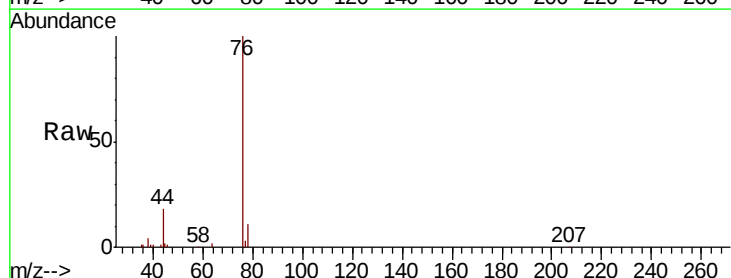
Acq: 11 Sep 2019 12:06

Tgt Ion: 76 Resp: 36376

Ion Ratio Lower Upper

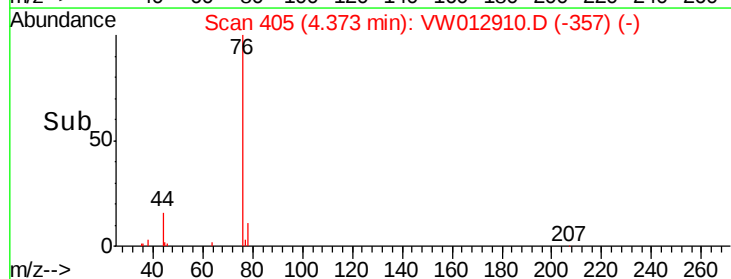
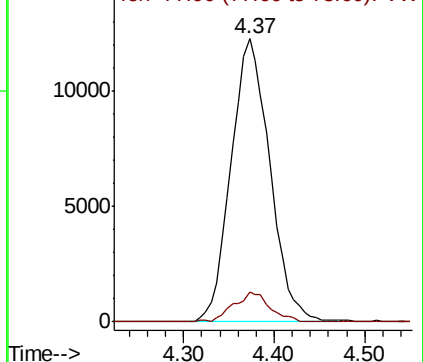
76 100

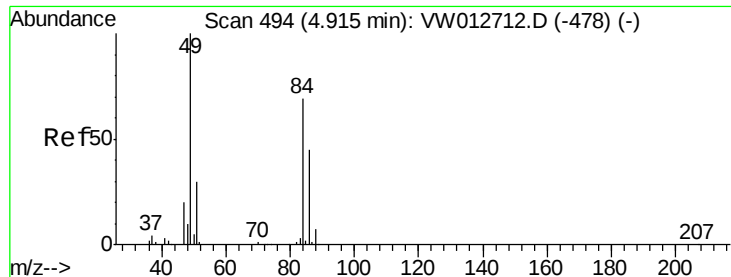
78 10.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

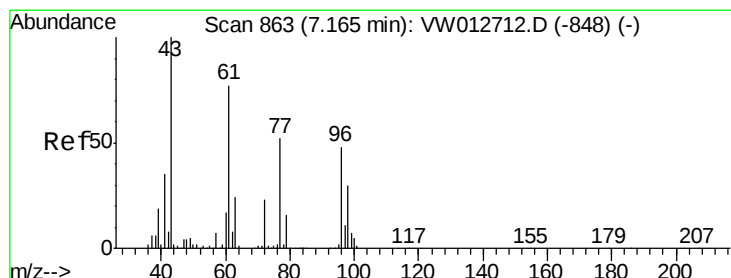
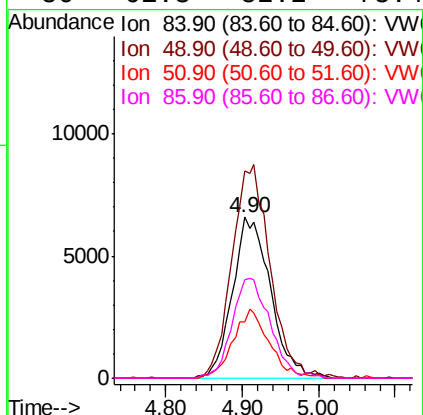
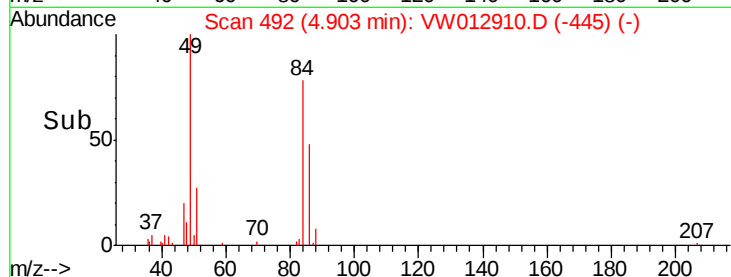
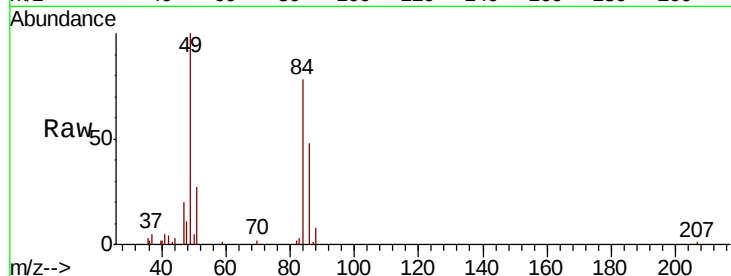




#20
Methylene Chloride
Concen: 11.806 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012910.D
Acq: 11 Sep 2019 12:06

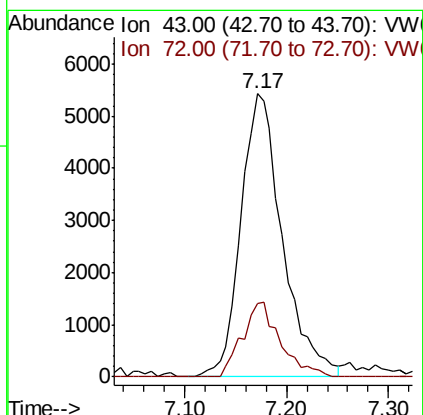
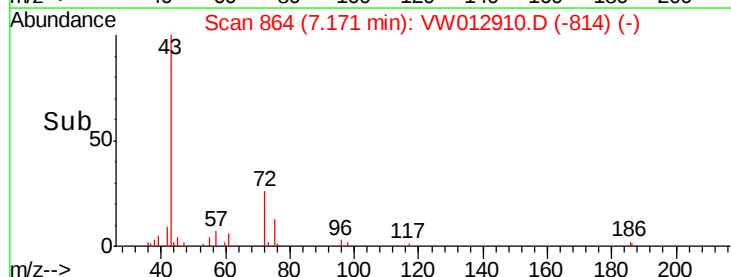
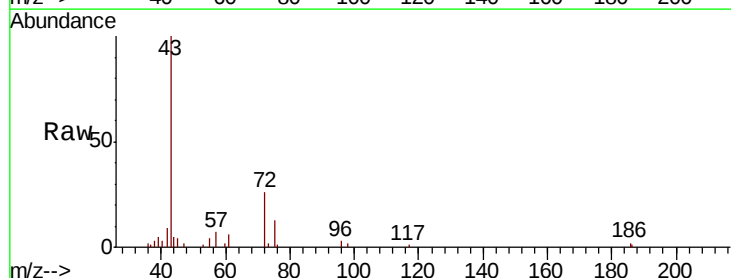
Instrument :
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ClientSampleId :
SB-28-9.5-10.0RE

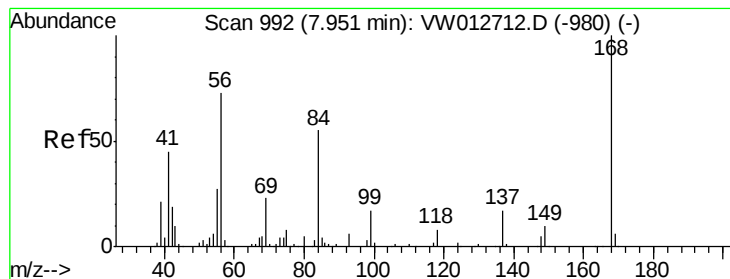
Tgt Ion: 84 Resp: 22827
Ion Ratio Lower Upper
84 100
49 128.9 115.4 173.0
51 35.1 34.9 52.3
86 61.3 52.2 78.4



#25
2-Butanone
Concen: 35.231 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012910.D
Acq: 11 Sep 2019 12:06

Tgt Ion: 43 Resp: 15360
Ion Ratio Lower Upper
43 100
72 26.1 18.0 27.0





#31

Cyclohexane

Concen: 1.417 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012910.D

Acq: 11 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

SB-28-9.5-10.0RE

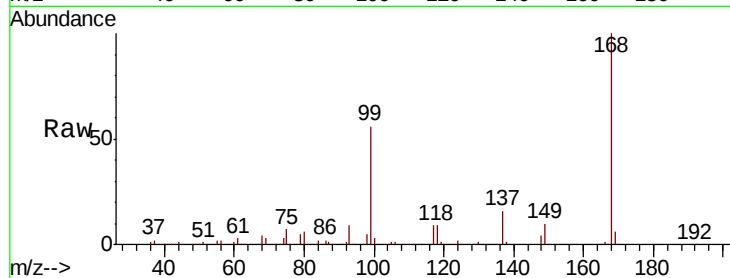
Tgt Ion: 56 Resp: 4722

Ion Ratio Lower Upper

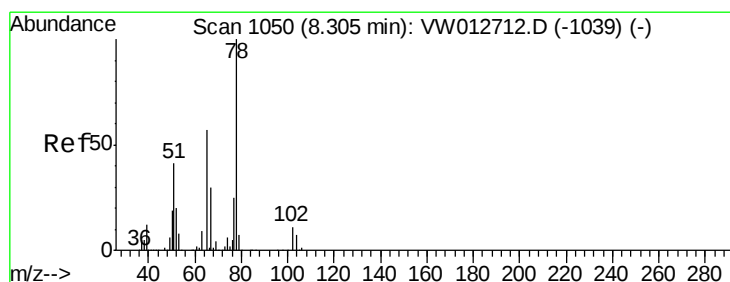
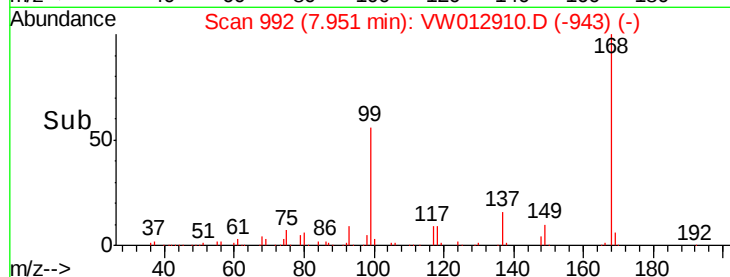
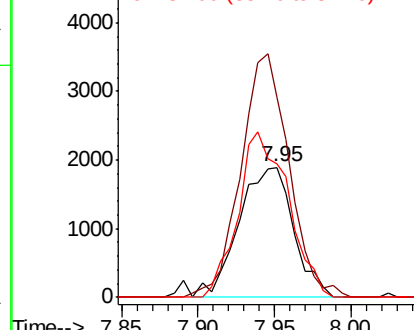
56 100

69 150.7 25.7 38.5#

84 103.0 60.4 90.6#



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: 48.356 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012910.D

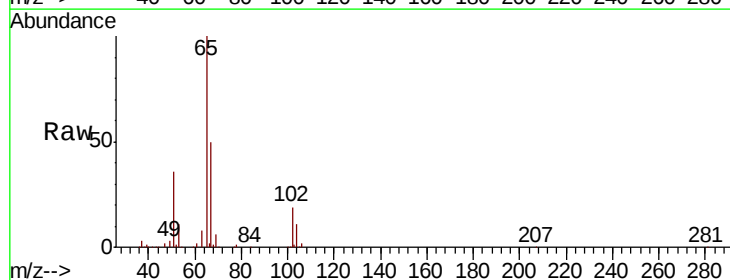
Acq: 11 Sep 2019 12:06

Tgt Ion: 65 Resp: 109623

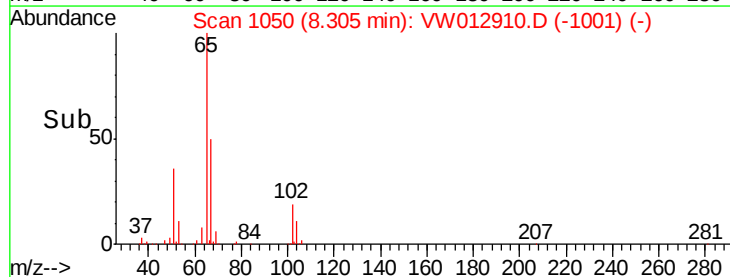
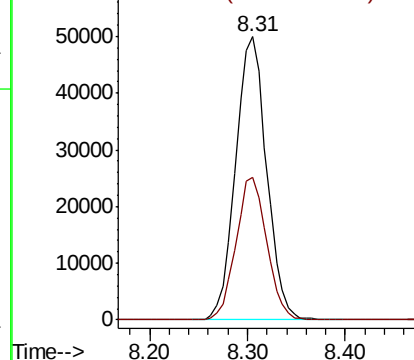
Ion Ratio Lower Upper

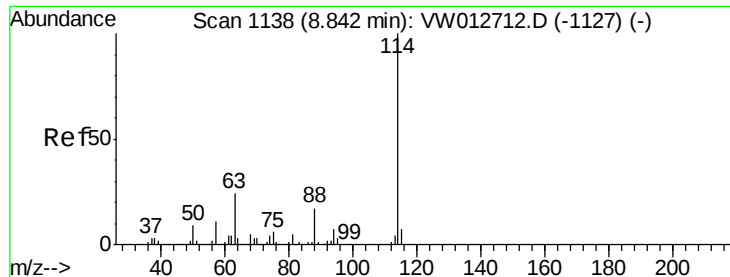
65 100

67 50.1 0.0 101.8



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

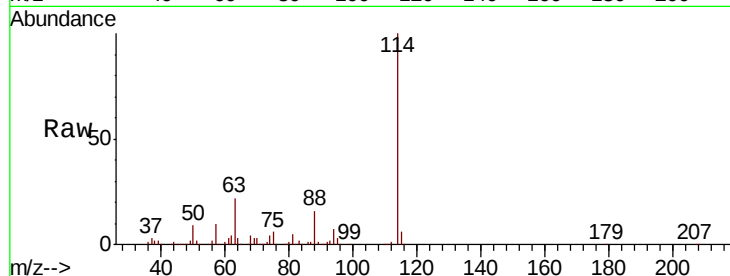




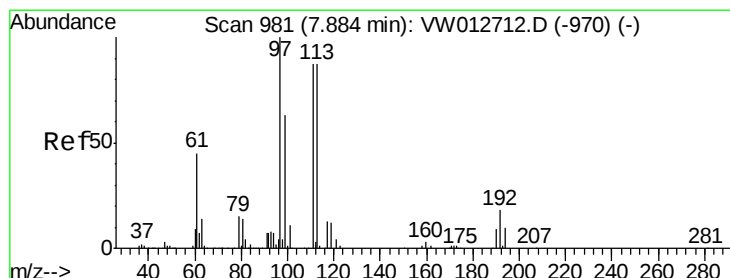
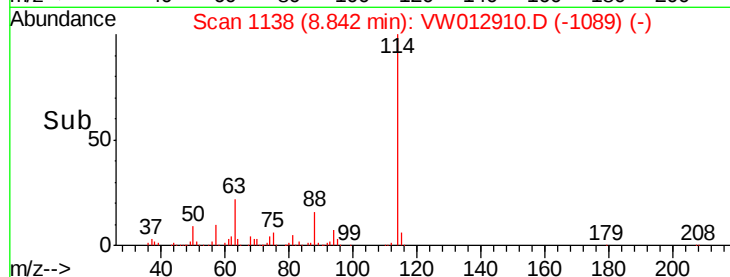
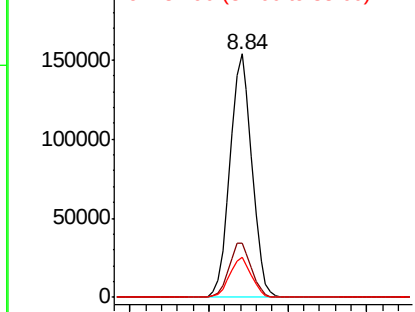
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012910.D
 Acq: 11 Sep 2019 12:06

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-9.5-10.0RE

Tgt Ion:114 Resp: 297673
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.2
 88 16.4 0.0 34.0

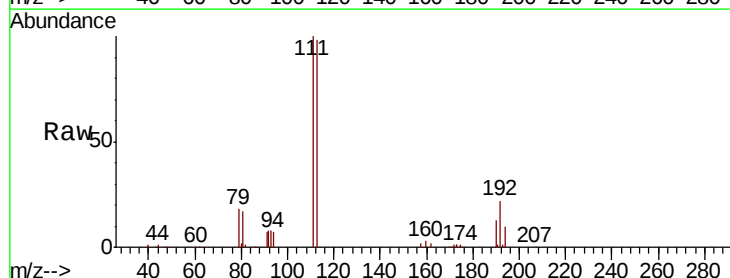


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

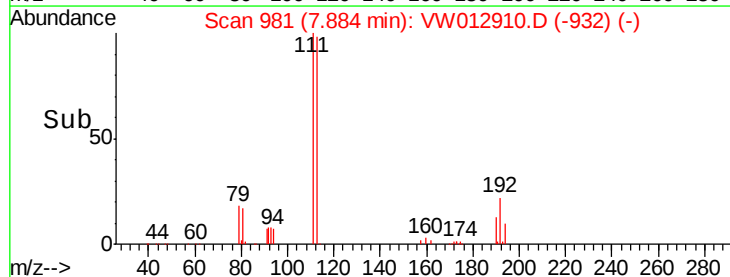
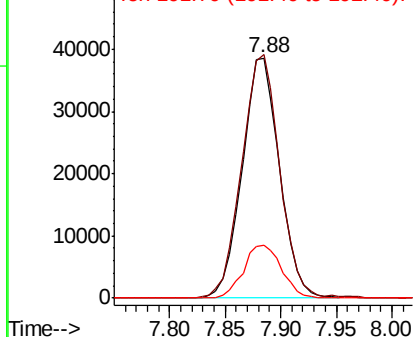


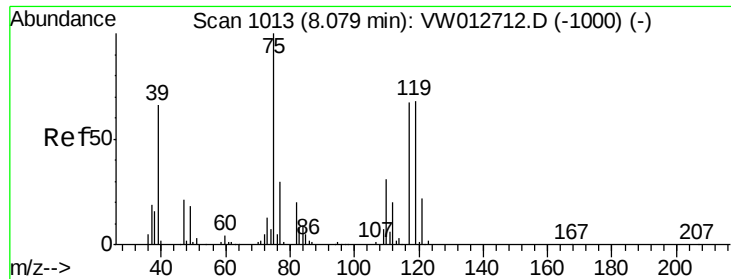
#35
 Dibromofluoromethane
 Concen: 50.780 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012910.D
 Acq: 11 Sep 2019 12:06

Tgt Ion:113 Resp: 89868
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.2 120.4
 192 22.8 17.3 25.9



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

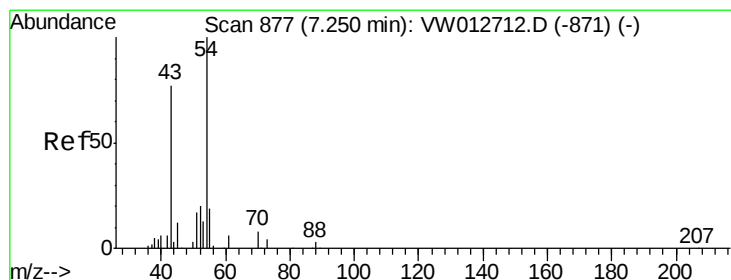
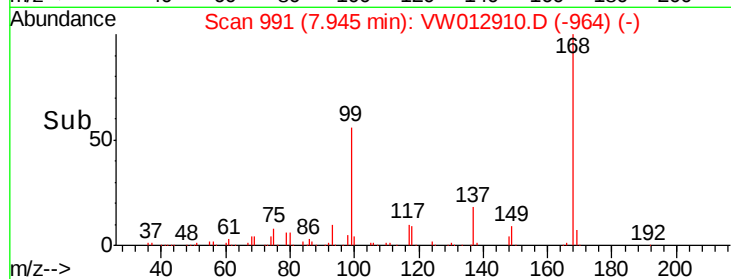
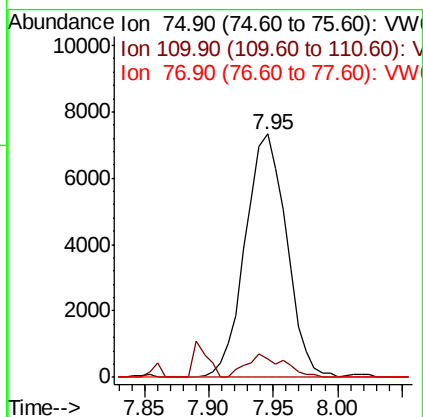
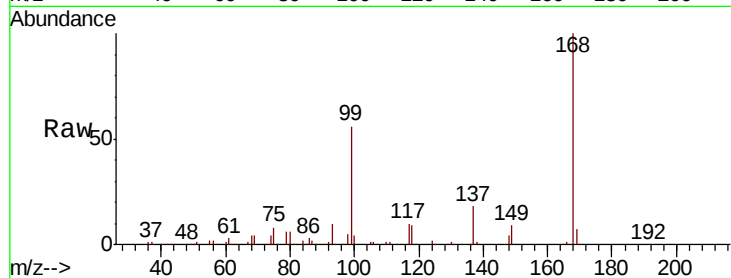




#36
 1,1-Dichloropropene
 Concen: 6.162 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012910.D
 Acq: 11 Sep 2019 12:06

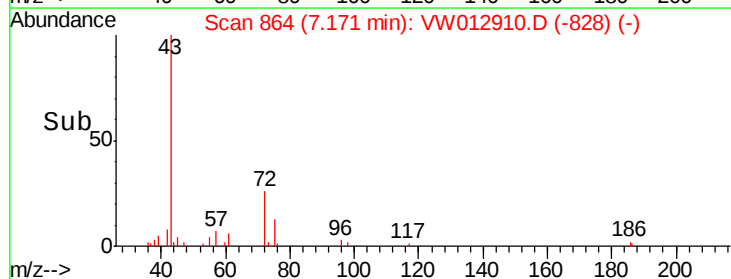
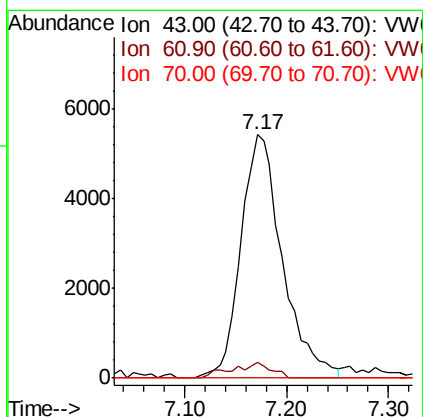
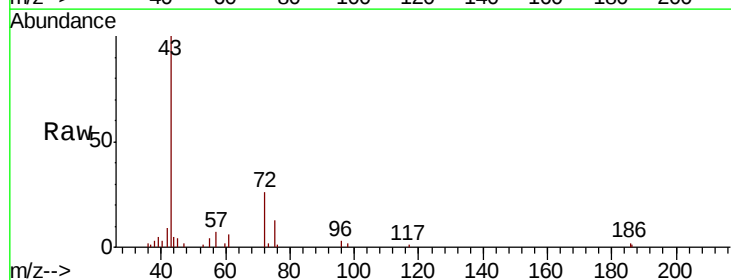
Instrument :
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 SB-28-9.5-10.0RE

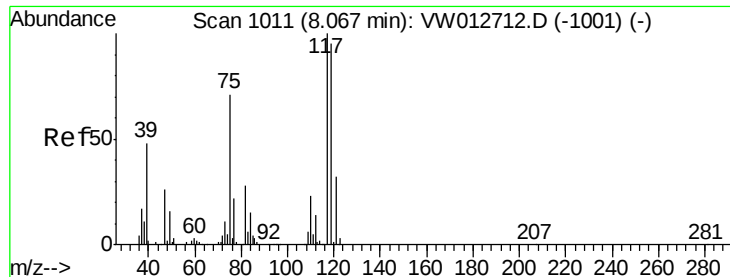
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.9	47.7#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 9.110 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW012910.D
 Acq: 11 Sep 2019 12:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.7	9.5	14.3#
70	0.0	7.0	10.6#





#38

Carbon Tetrachloride

Concen: 7.266 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012910.D

Acq: 11 Sep 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

SB-28-9.5-10.0RE

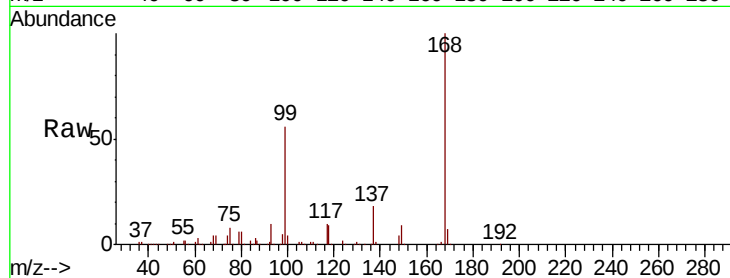
Tgt Ion:117 Resp: 18943

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

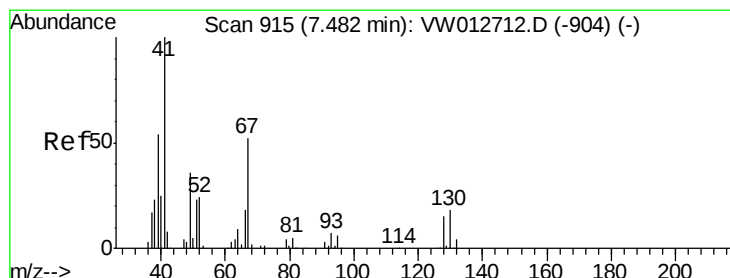
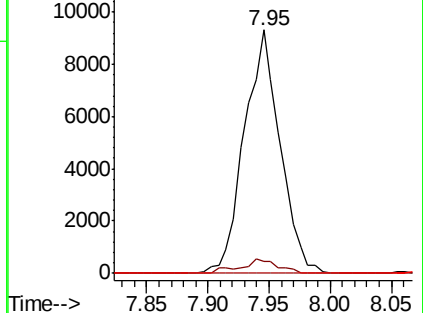
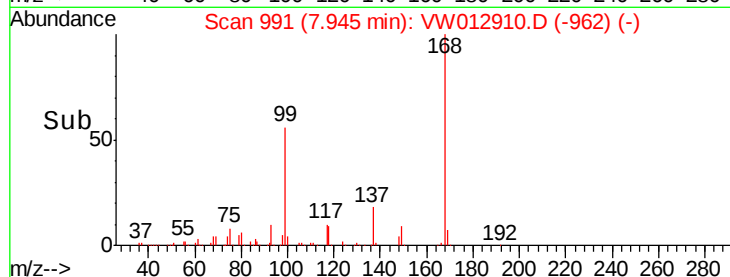
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 3.914 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012910.D

Acq: 11 Sep 2019 12:06

Tgt Ion: 41 Resp: 93

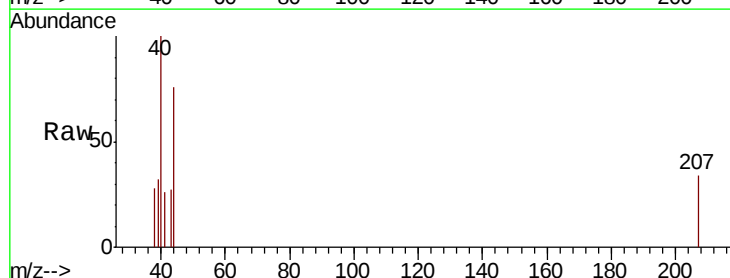
Ion Ratio Lower Upper

41 100

39 154.8 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

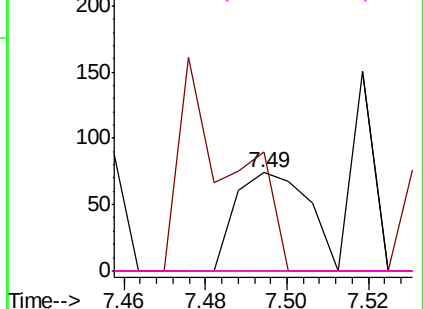
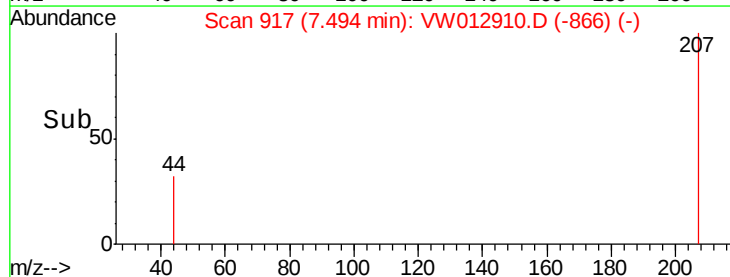


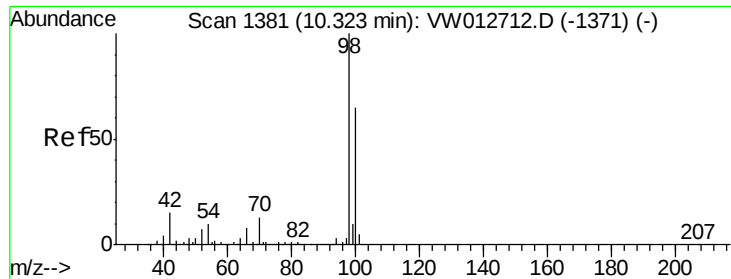
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

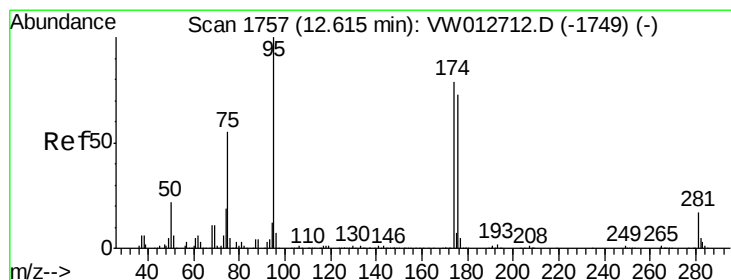
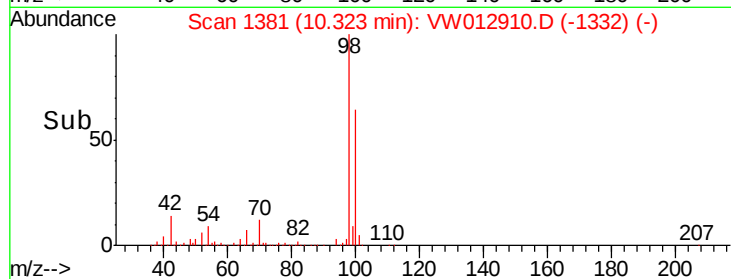
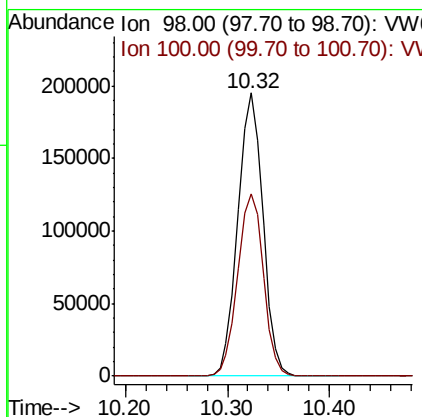
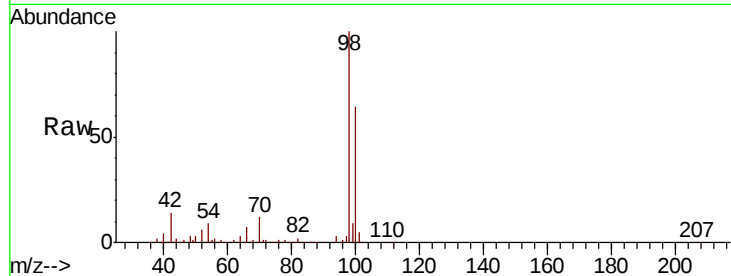




#50
Toluene-d8
Concen: 47.976 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012910.D
Acq: 11 Sep 2019 12:06

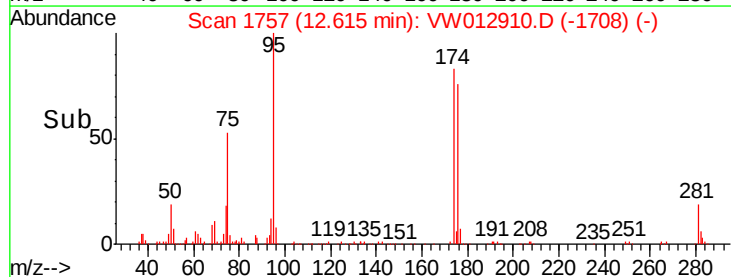
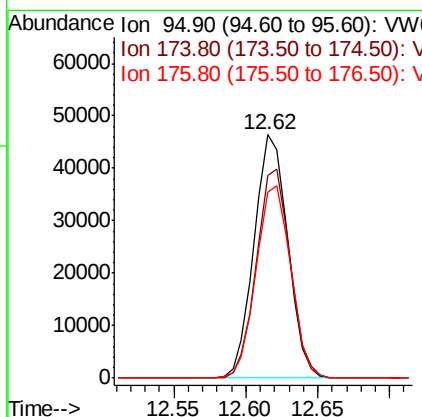
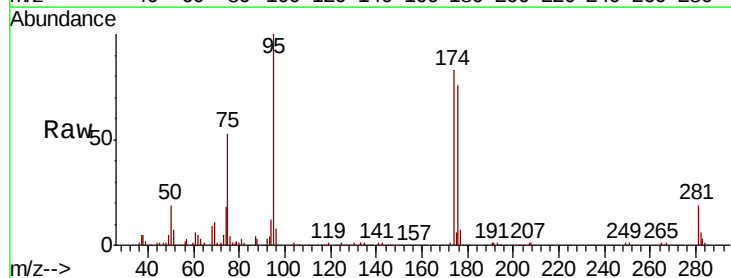
Instrument :
MSVOA_W
ClientSampleId :
SB-28-9.5-10.0RE

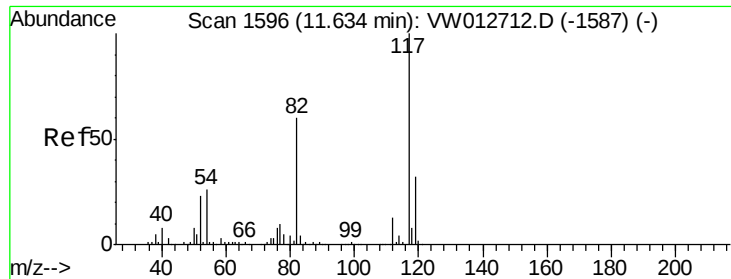
Tgt Ion: 98 Resp: 332641
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 29.880 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012910.D
Acq: 11 Sep 2019 12:06

Tgt Ion: 95 Resp: 75210
Ion Ratio Lower Upper
95 100
174 86.0 0.0 161.0
176 81.3 0.0 156.4

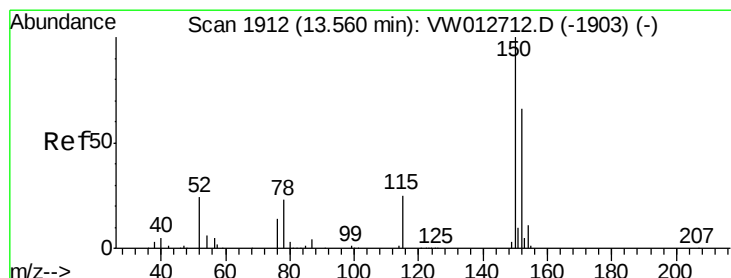
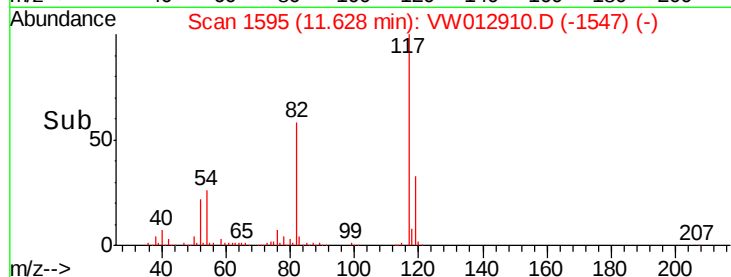
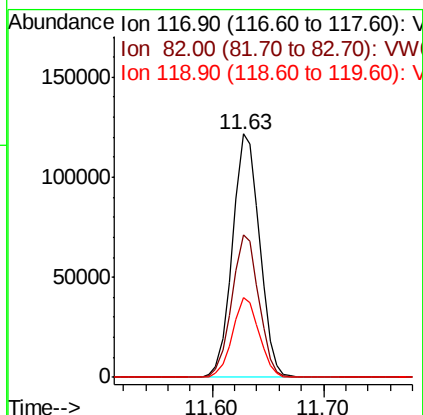
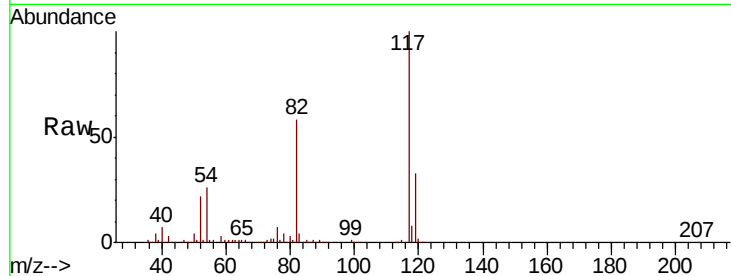




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012910.D
Acq: 11 Sep 2019 12:06

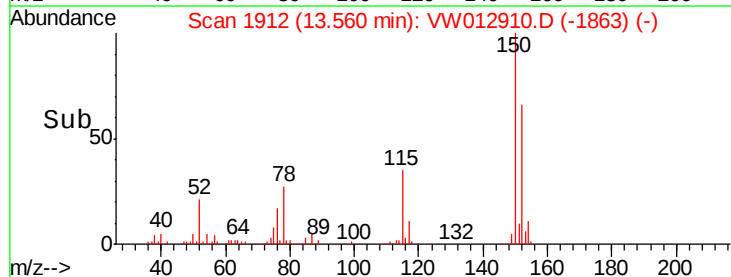
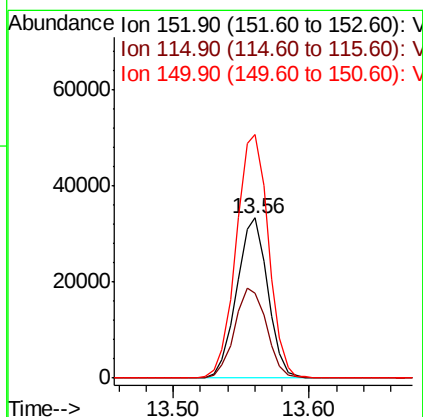
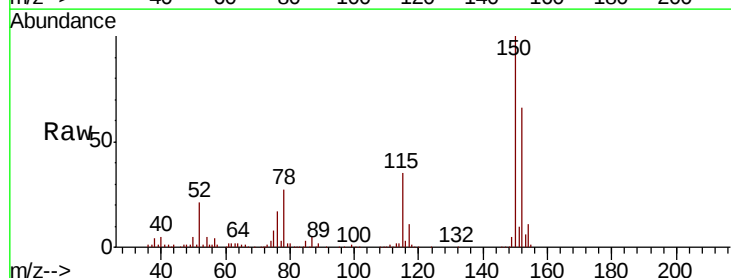
Instrument :
MSVOA_W
ClientSampleId :
SB-28-9.5-10.0RE

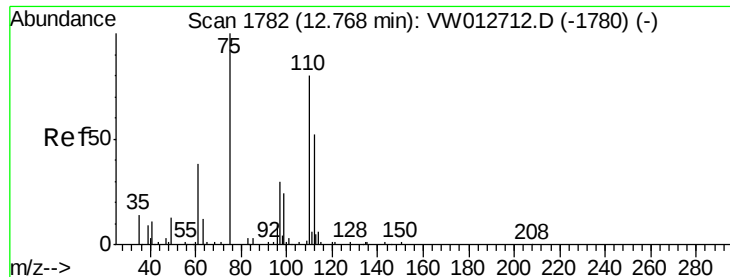
Tgt Ion:117 Resp: 204973
Ion Ratio Lower Upper
117 100
82 58.4 48.2 72.4
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012910.D
Acq: 11 Sep 2019 12:06

Tgt Ion:152 Resp: 52981
Ion Ratio Lower Upper
152 100
115 58.1 30.0 90.1
150 158.5 0.0 349.0

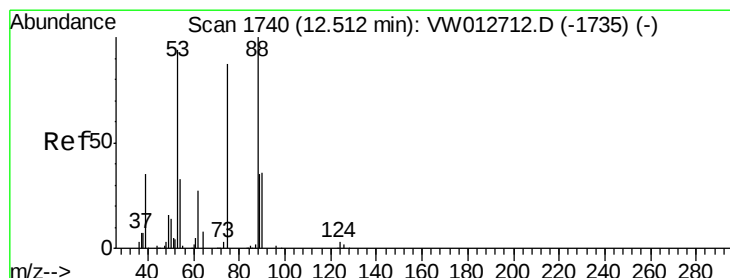
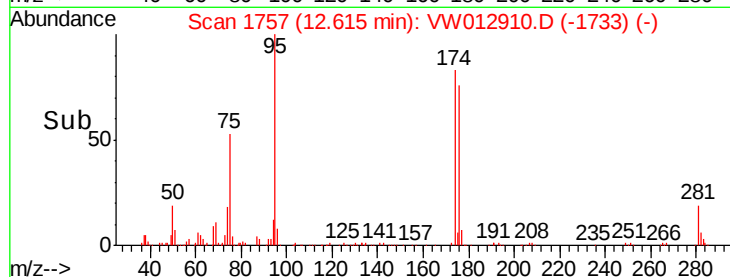
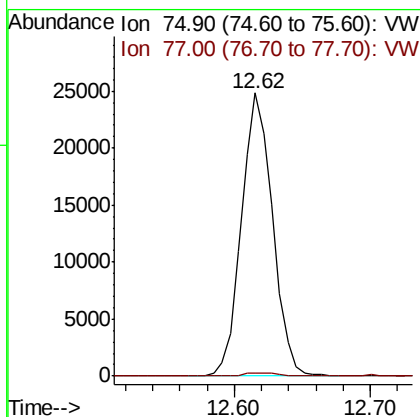
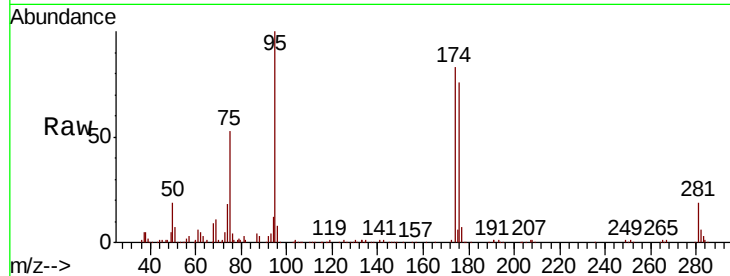




#76
 1,2,3-Trichloropropane
 Concen: 73.349 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012910.D
 Acq: 11 Sep 2019 12:06

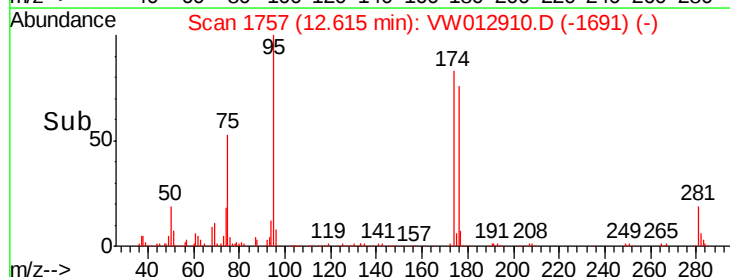
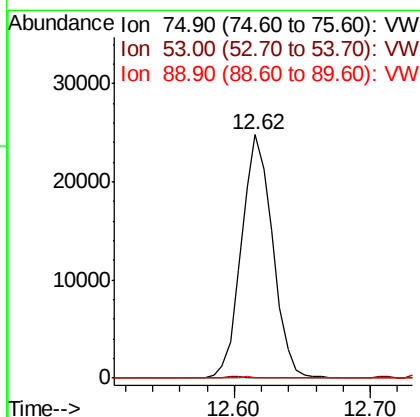
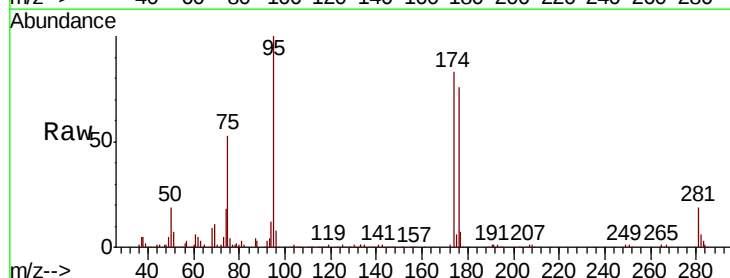
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-28-9.5-10.0RE

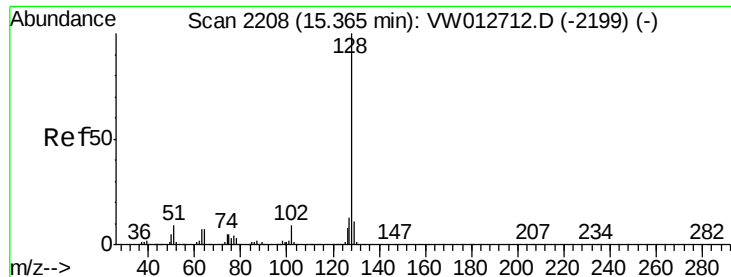
Tgt Ion: 75 Resp: 39737
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.138 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012910.D
 Acq: 11 Sep 2019 12:06

Tgt Ion: 75 Resp: 39737
 Ion Ratio Lower Upper
 75 100
 53 0.4 87.6 131.4#
 89 0.2 35.5 53.3#





#95
Naphthalene
Concen: 5.262 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012910.D
Acq: 11 Sep 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
SB-28-9.5-10.0RE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	8.1	8.7	13.1

