

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080319\
 Data File : VW011644.D
 Acq On : 03 Aug 2019 03:00
 Operator : SY/VA
 Sample : K4131-09
 Misc : 5.82G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D3-(30)

Quant Time: Aug 04 00:08:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	259449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	348503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129539	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	166755	55.97	ug/l	0.00
Spiked Amount			Recovery	=	111.94%	
35) Dibromofluoromethane	7.88	113	131759	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	
50) Toluene-d8	10.32	98	529422	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.62	95	159171	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	

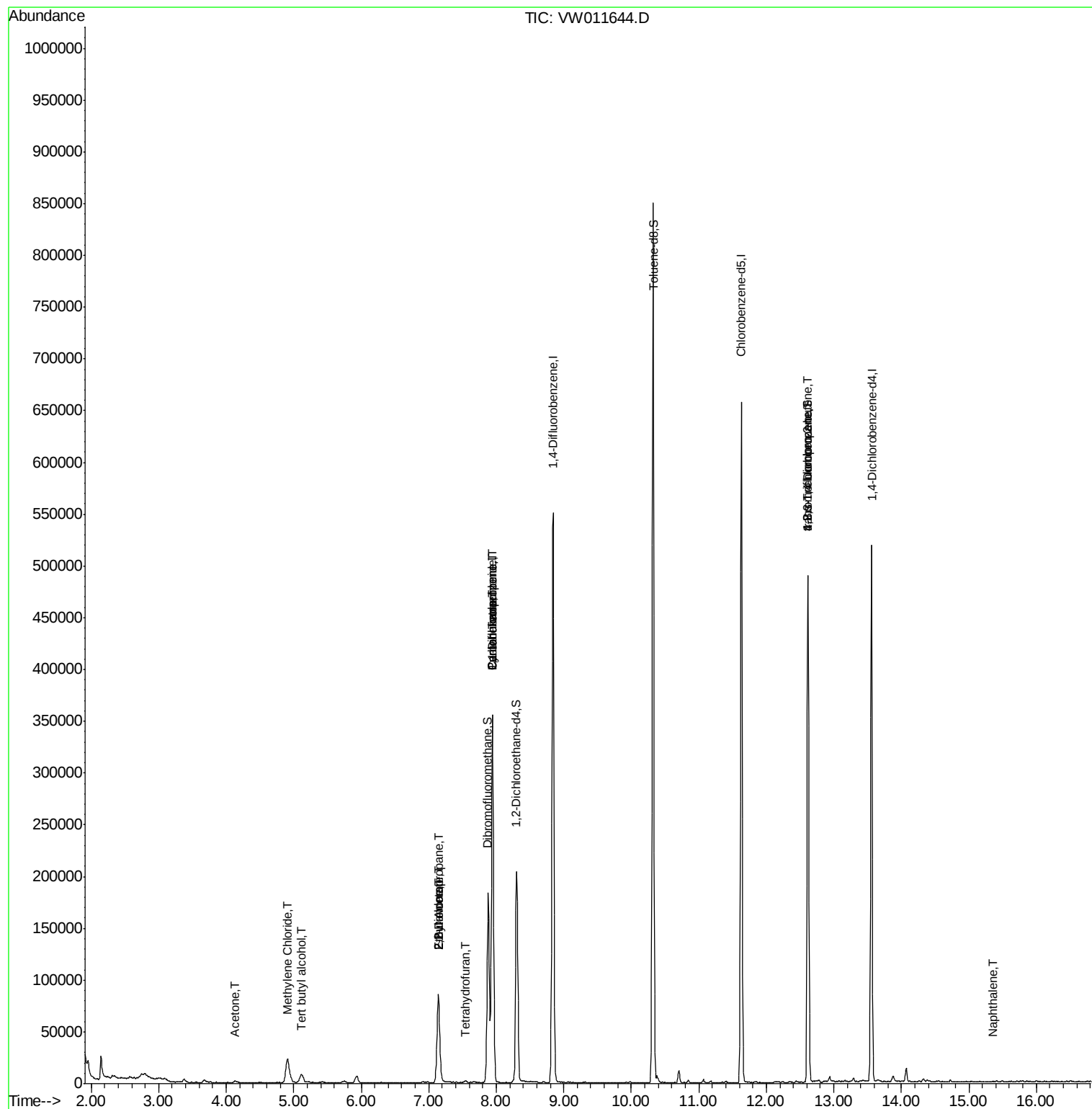
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	8155	20.739	ug/l #	72
16) Acetone	4.14	43	2984	3.149	ug/l #	86
20) Methylene Chloride	4.92	84	17422	5.331	ug/l	93
25) 2-Butanone	7.15	43	5498	4.434	ug/l #	81
26) 2,2-Dichloropropane	7.14	77	6075	1.702	ug/l #	54
29) Tetrahydrofuran	7.54	42	1451	2.047	ug/l #	71
31) Cyclohexane	7.94	56	6499	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22875	5.091	ug/l #	52
37) Ethyl Acetate	7.15	43	5498	2.127	ug/l #	3
38) Carbon Tetrachloride	7.95	117	26456	6.878	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	84062	61.329	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84062	141.342	ug/l #	6
95) Naphthalene	15.36	128	222	2.108	ug/l #	69

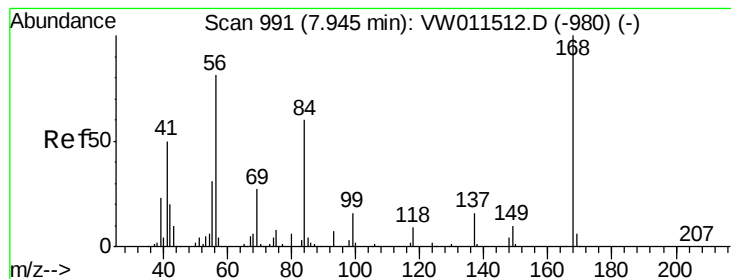
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011644.D

Acq: 03 Aug 2019 03:00

Instrument :

MSVOA_W

ClientSampleId :

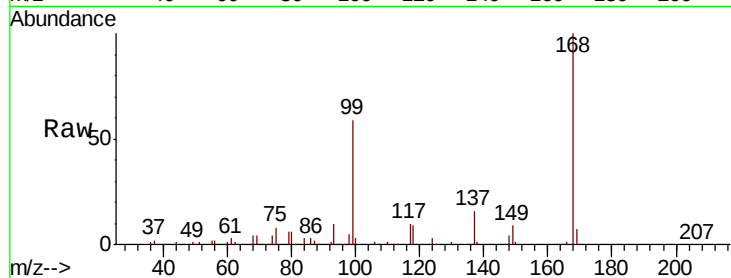
1S-D3-(30)

Tgt Ion:168 Resp: 259449

Ion Ratio Lower Upper

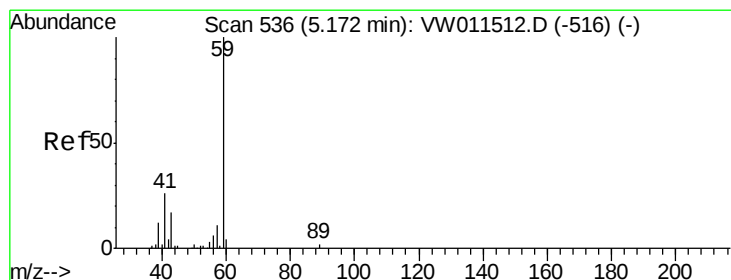
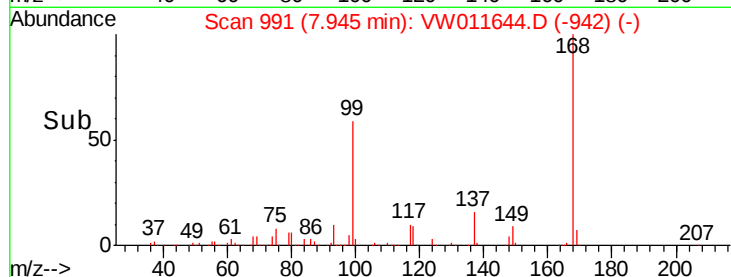
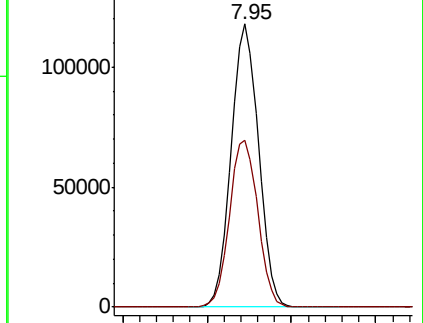
168 100

99 59.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 20.739 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011644.D

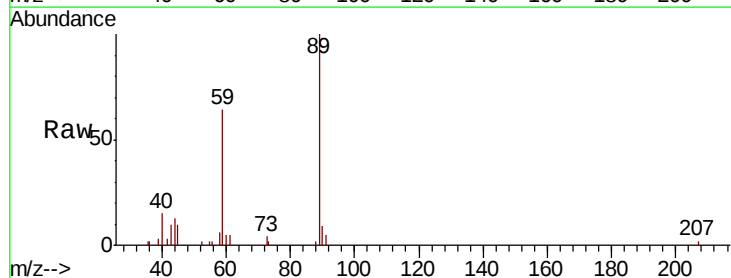
Acq: 03 Aug 2019 03:00

Tgt Ion: 59 Resp: 8155

Ion Ratio Lower Upper

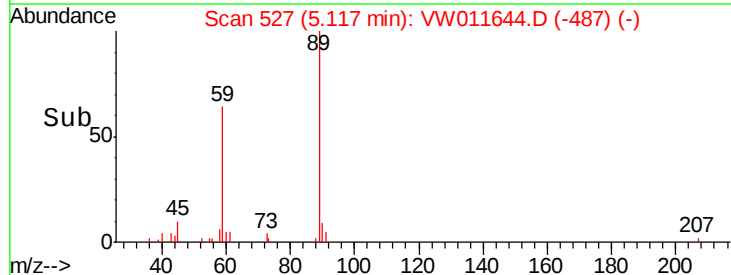
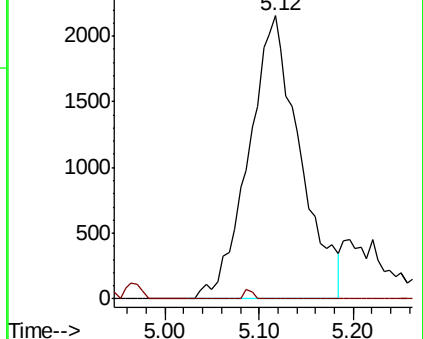
59 100

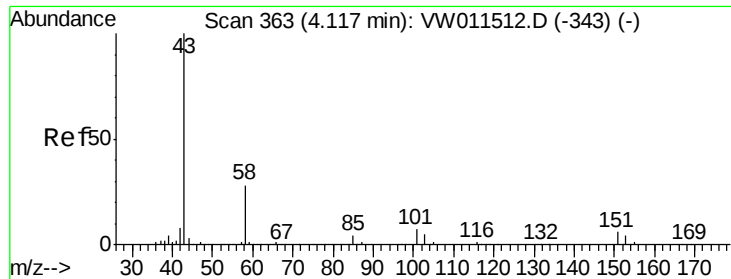
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 3.149 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011644.D

Acq: 03 Aug 2019 03:00

Instrument :

MSVOA_W

ClientSampleId :

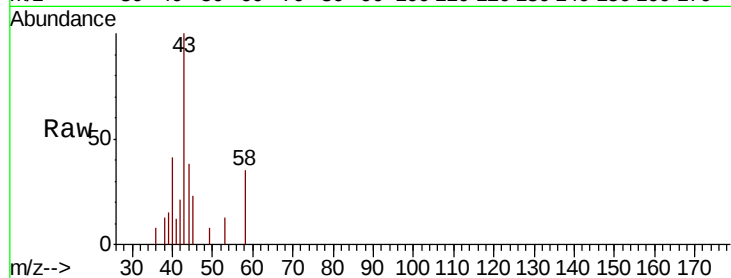
1S-D3-(30)

Tgt Ion: 43 Resp: 2984

Ion Ratio Lower Upper

43 100

58 35.2 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800

600

400

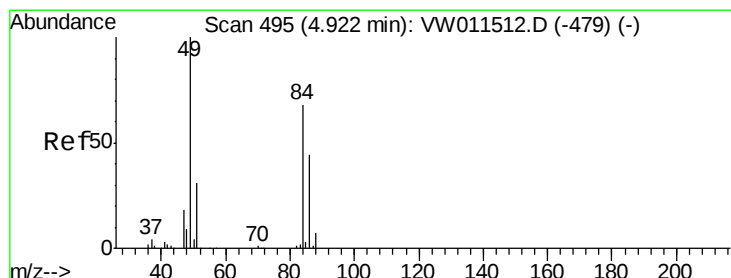
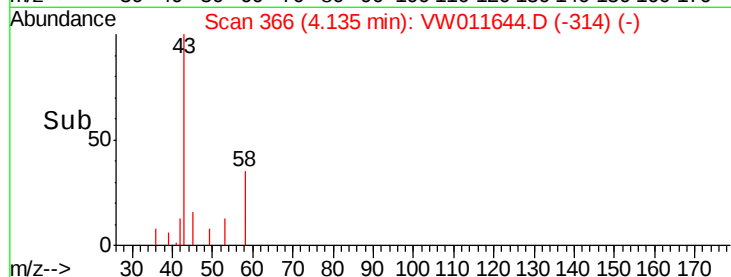
200

0

4.00 4.10 4.20 4.30

4.14

Time-->



#20

Methylene Chloride

Concen: 5.331 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011644.D

Acq: 03 Aug 2019 03:00

Tgt Ion: 84 Resp: 17422

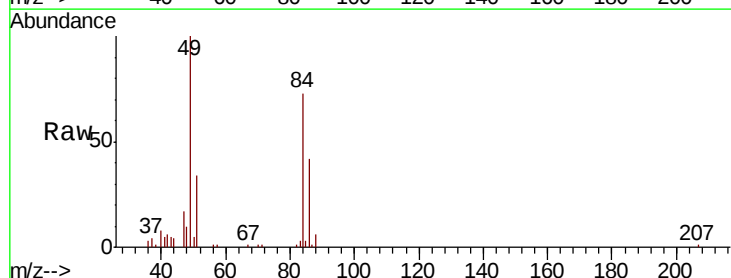
Ion Ratio Lower Upper

84 100

49 136.9 117.8 176.6

51 46.0 37.0 55.4

86 57.7 51.8 77.8



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

10000

8000

6000

4000

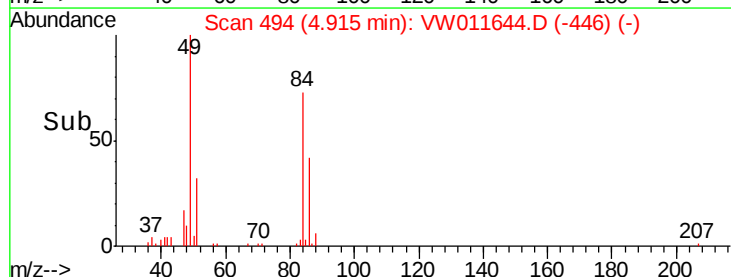
2000

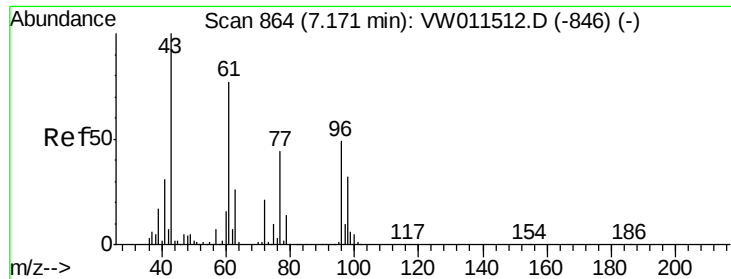
0

4.80 4.90 5.00

4.92

Time-->





#25

2-Butanone

Concen: 4.434 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW011644.D

Acq: 03 Aug 2019 03:00

Instrument :

MSVOA_W

ClientSampleId :

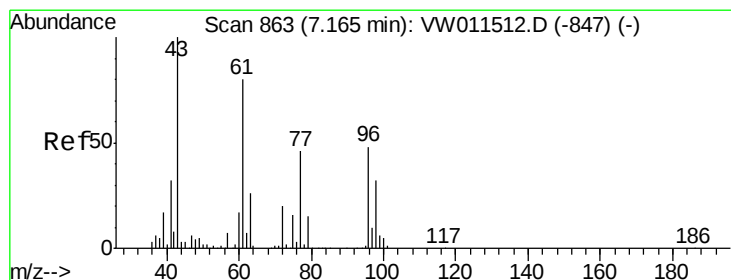
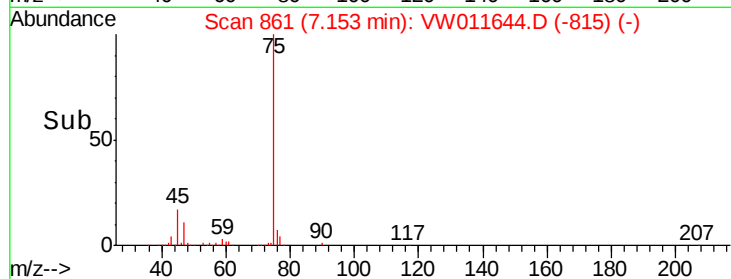
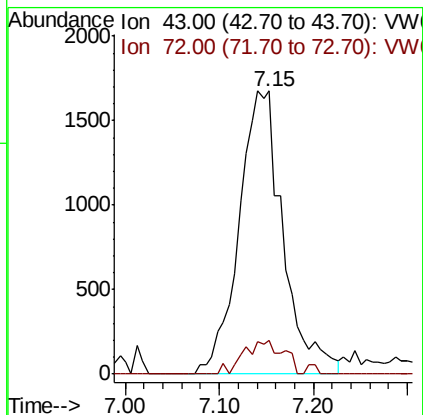
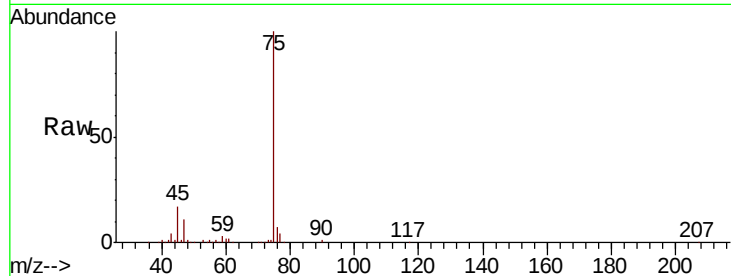
1S-D3-(30)

Tgt Ion: 43 Resp: 5498

Ion Ratio Lower Upper

43 100

72 11.9 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.702 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011644.D

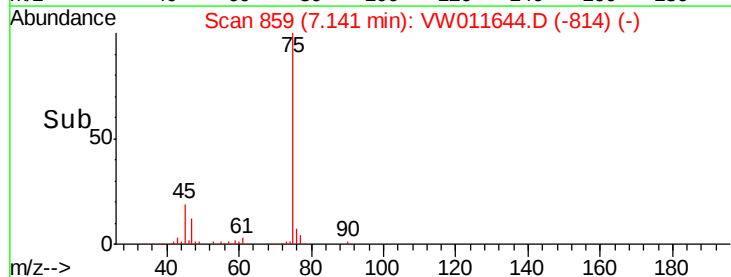
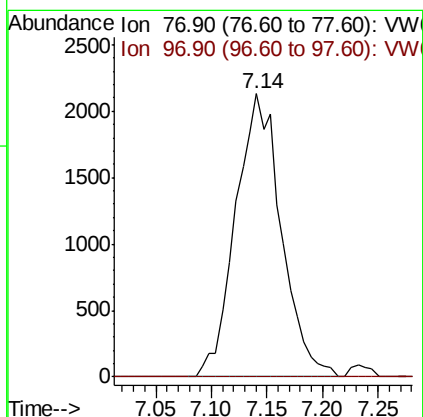
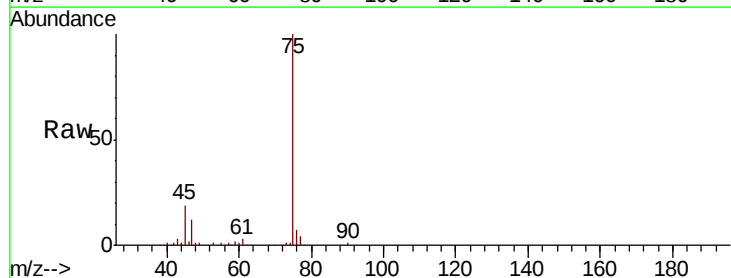
Acq: 03 Aug 2019 03:00

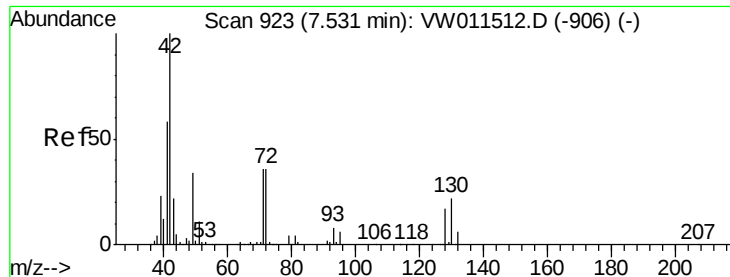
Tgt Ion: 77 Resp: 6075

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

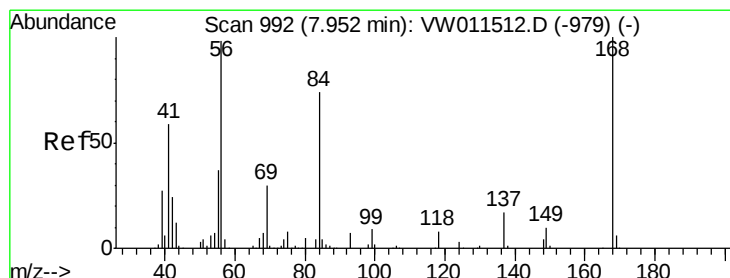
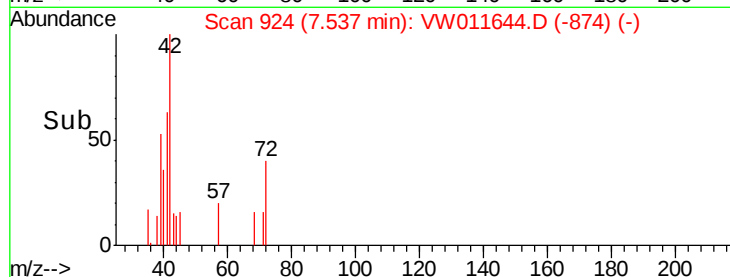
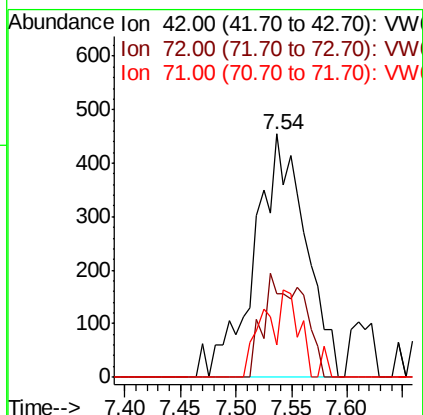
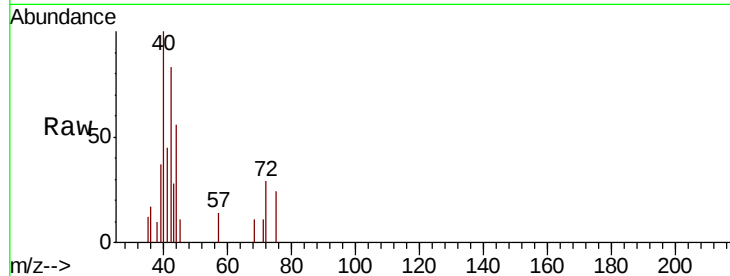




#29
Tetrahydrofuran
Concen: 2.047 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011644.D
Acq: 03 Aug 2019 03:00

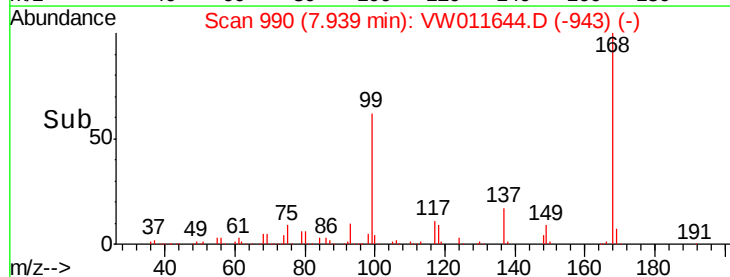
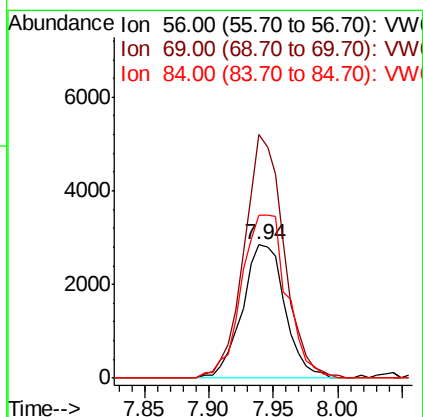
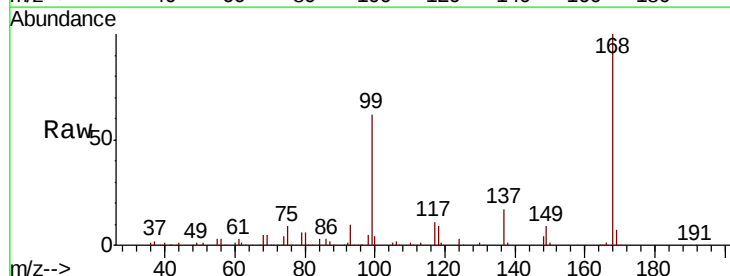
Instrument :
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ClientSampleId :
1S-D3-(30)

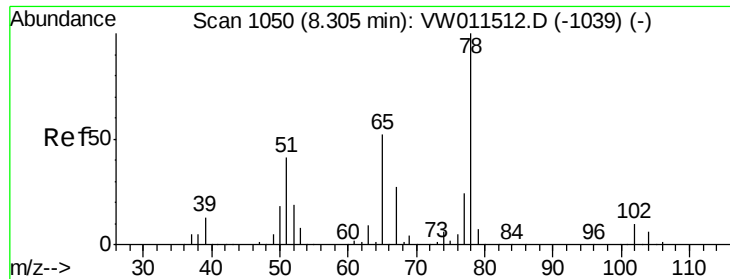
Tgt Ion: 42 Resp: 1451
Ion Ratio Lower Upper
42 100
72 21.0 27.1 40.7#
71 12.5 26.2 39.4#



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011644.D
Acq: 03 Aug 2019 03:00

Tgt Ion: 56 Resp: 6499
Ion Ratio Lower Upper
56 100
69 182.5 24.3 36.5#
84 122.2 60.4 90.6#

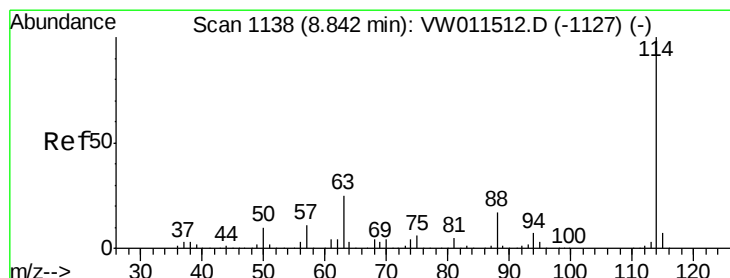
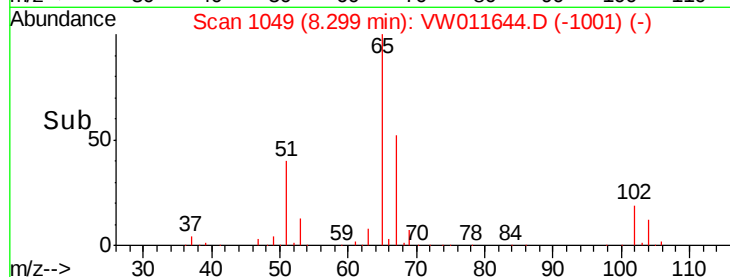
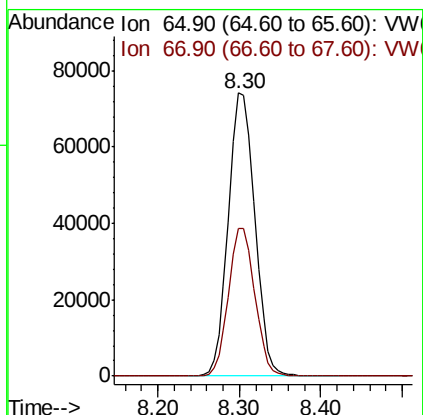
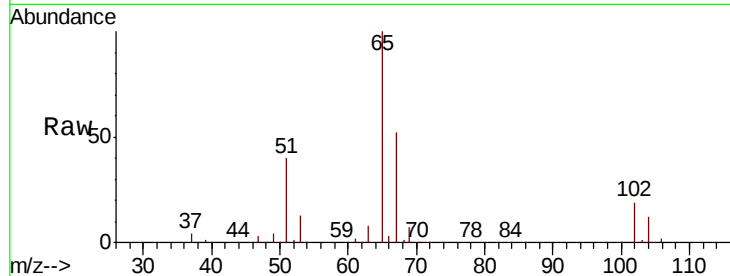




#33
 1,2-Dichloroethane-d4
 Concen: 55.973 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011644.D
 Acq: 03 Aug 2019 03:00

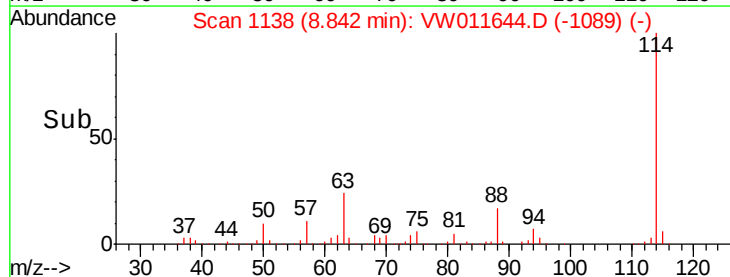
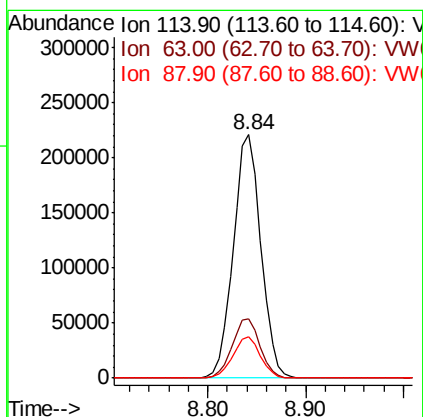
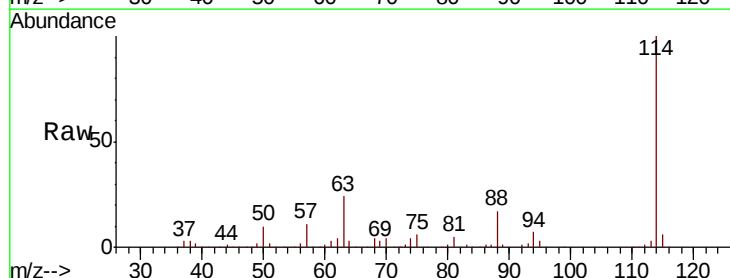
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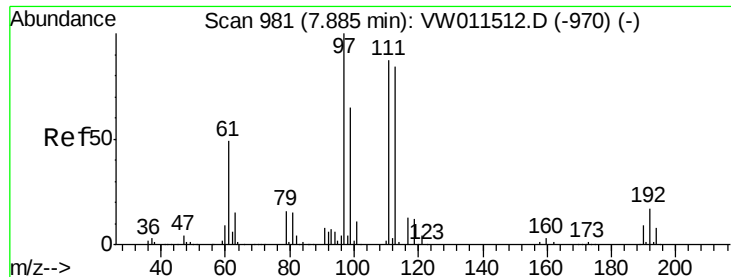
Tgt Ion: 65 Resp: 166755
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011644.D
 Acq: 03 Aug 2019 03:00

Tgt Ion: 114 Resp: 432137
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.8 0.0 33.8

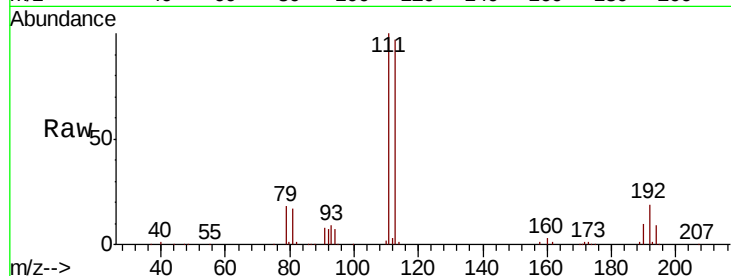




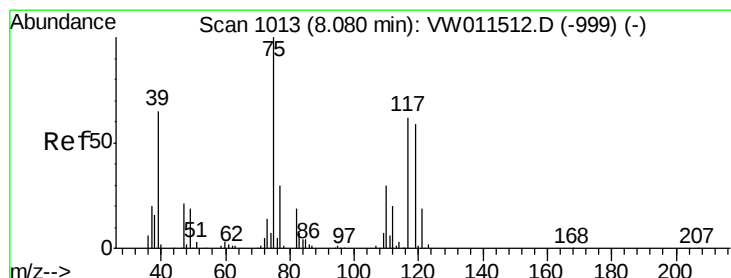
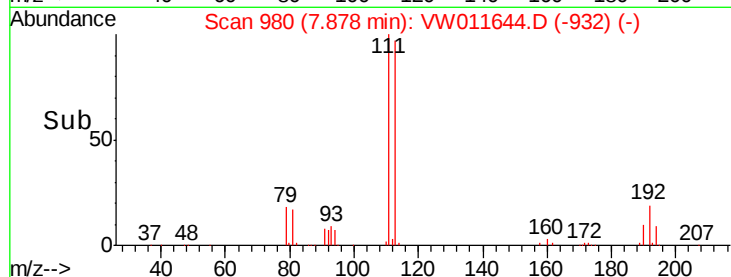
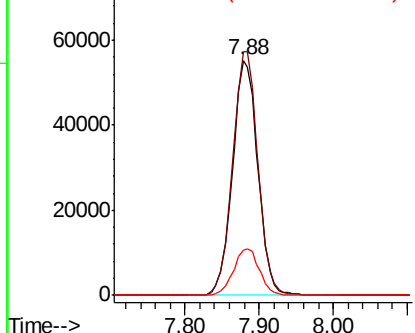
#35
 Dibromofluoromethane
 Concen: 54.348 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011644.D
 Acq: 03 Aug 2019 03:00

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D3-(30)

Tgt Ion: 113 Resp: 131759
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 20.4 16.1 24.1

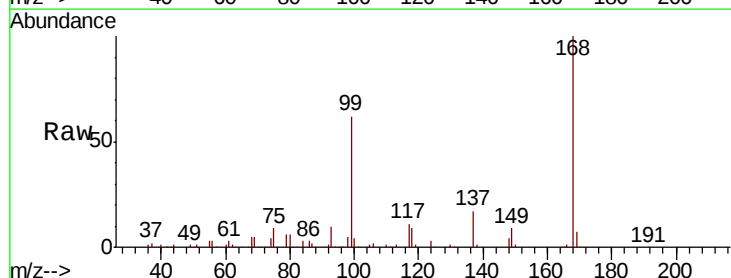


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

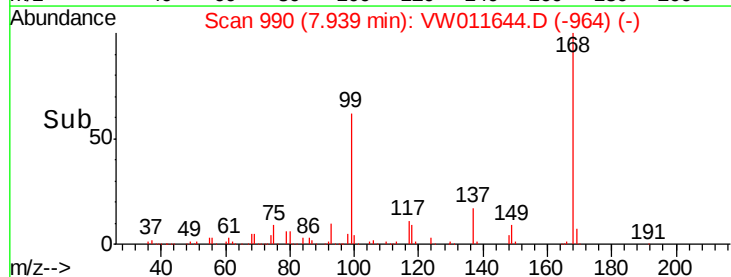
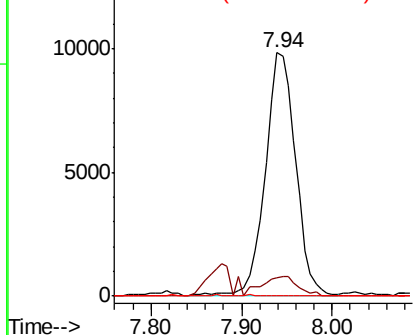


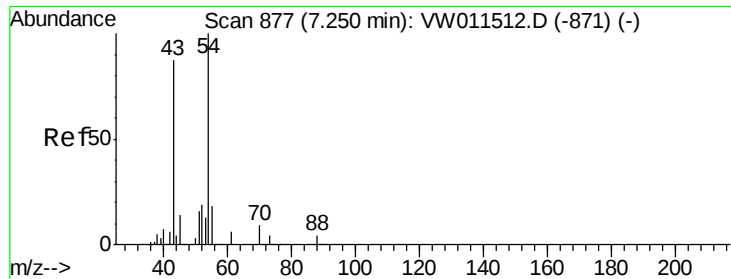
#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011644.D
 Acq: 03 Aug 2019 03:00

Tgt Ion: 75 Resp: 22875
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.6 46.8#
 77 0.0 24.3 36.5#



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

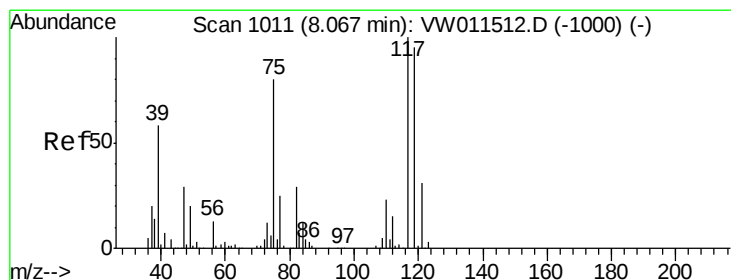
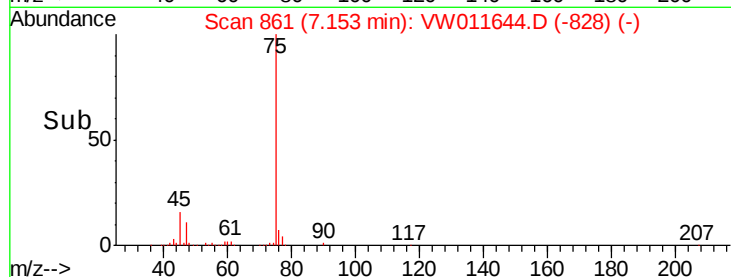
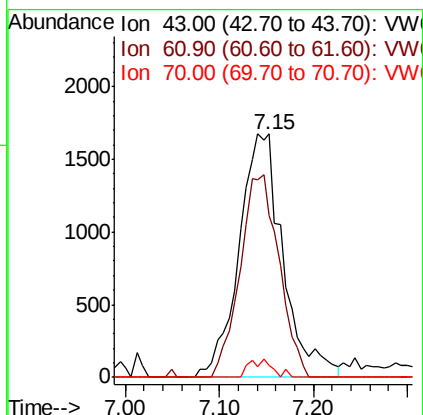
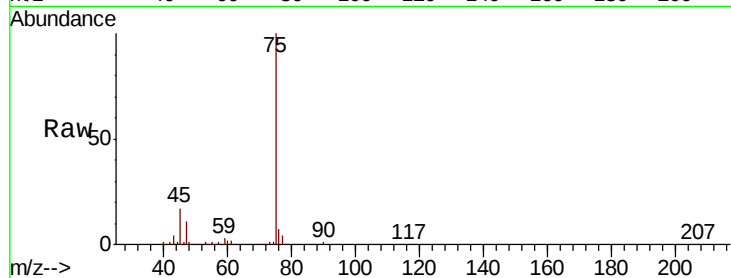




#37
Ethyl Acetate
Concen: 2.127 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.10 min
Lab File: VW011644.D
Acq: 03 Aug 2019 03:00

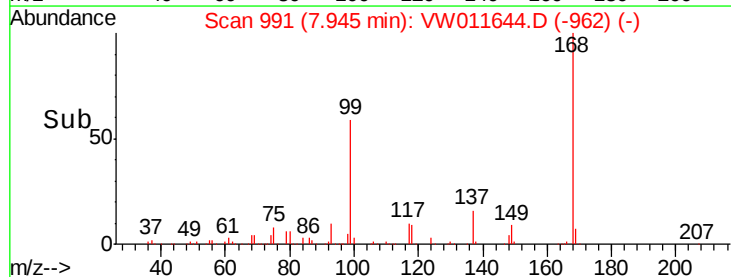
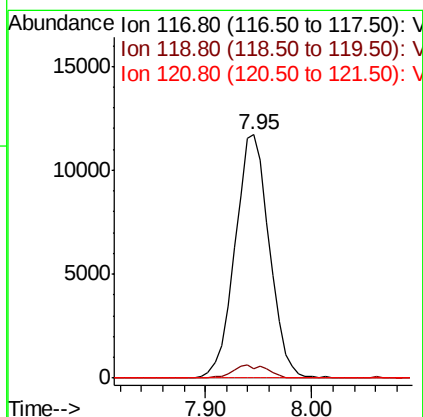
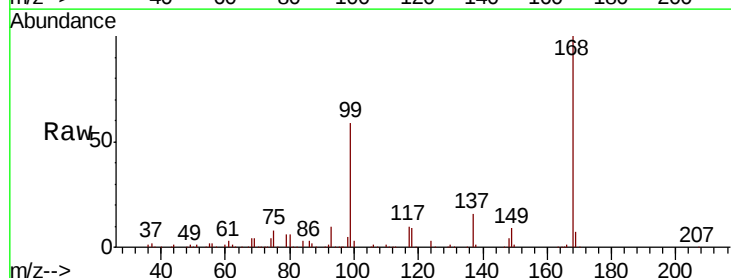
Instrument :
MSVOA_W
ClientSampleId :
1S-D3-(30)

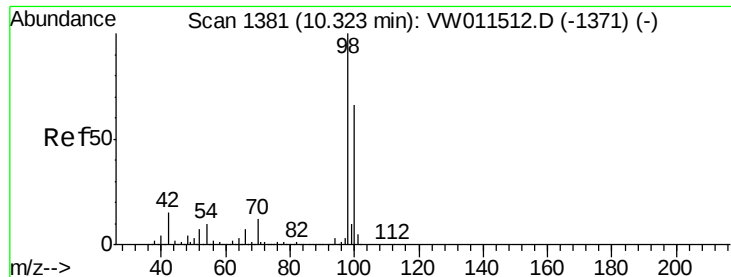
Tgt Ion: 43 Resp: 5498
Ion Ratio Lower Upper
43 100
61 73.4 8.8 13.2#
70 4.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.878 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011644.D
Acq: 03 Aug 2019 03:00

Tgt Ion: 117 Resp: 26456
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.337 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011644.D

Acq: 03 Aug 2019 03:00

Instrument :

MSVOA_W

ClientSampleId :

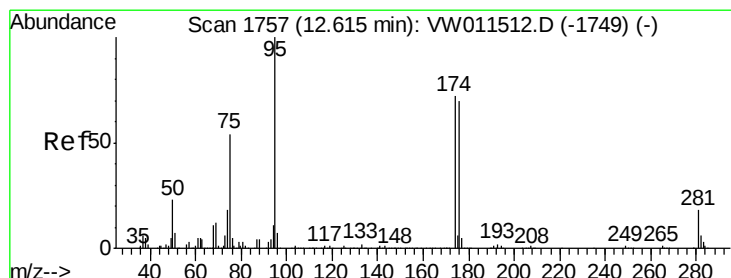
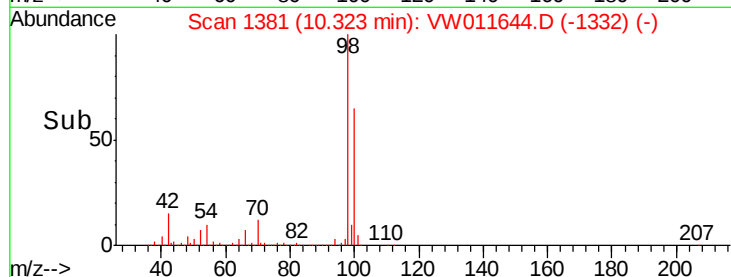
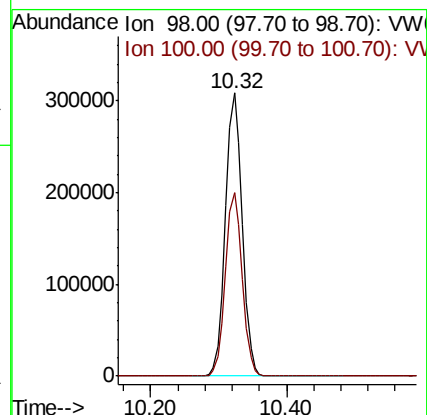
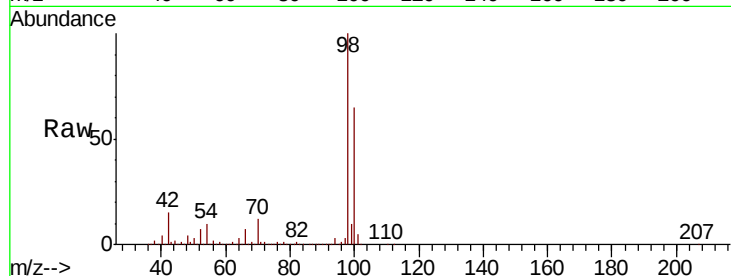
1S-D3-(30)

Tgt Ion: 98 Resp: 529422

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 44.978 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011644.D

Acq: 03 Aug 2019 03:00

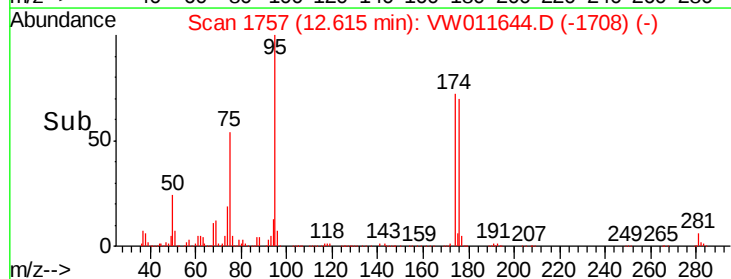
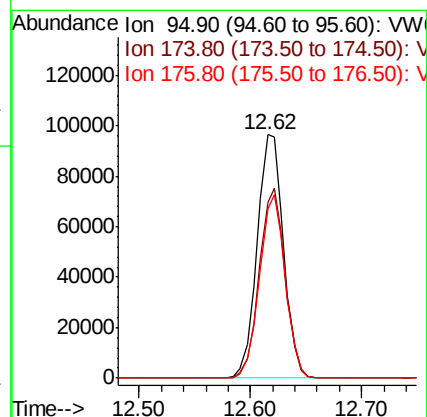
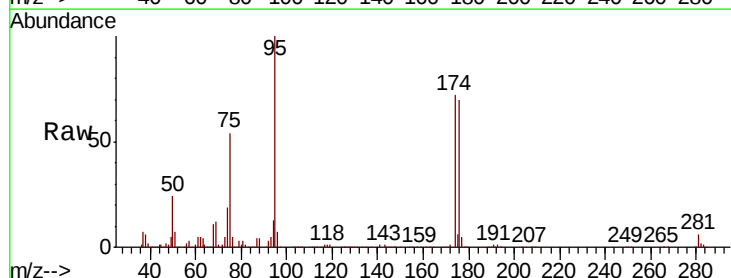
Tgt Ion: 95 Resp: 159171

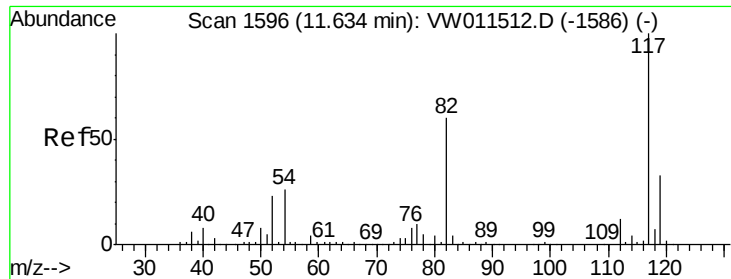
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

176 73.5 0.0 144.4

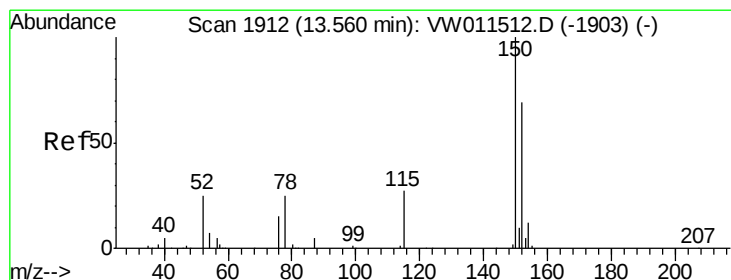
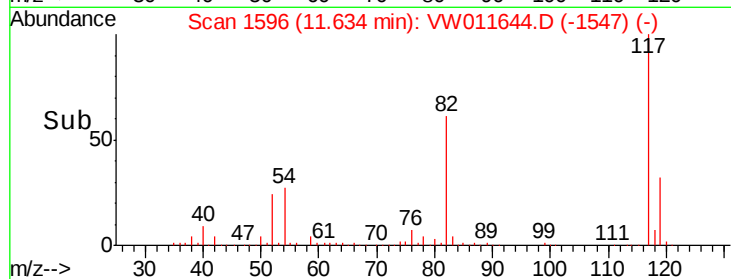
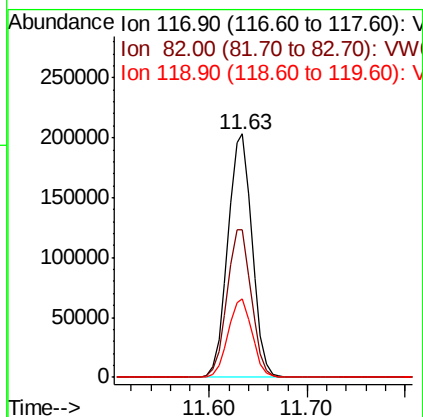
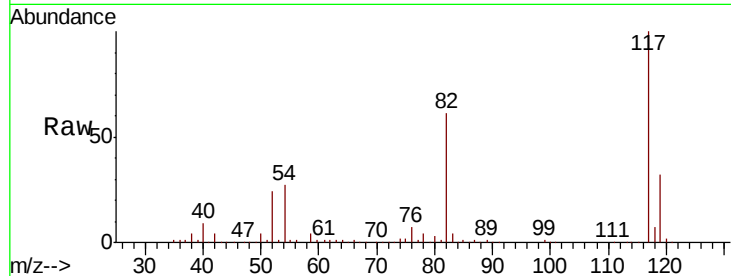




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011644.D
Acq: 03 Aug 2019 03:00

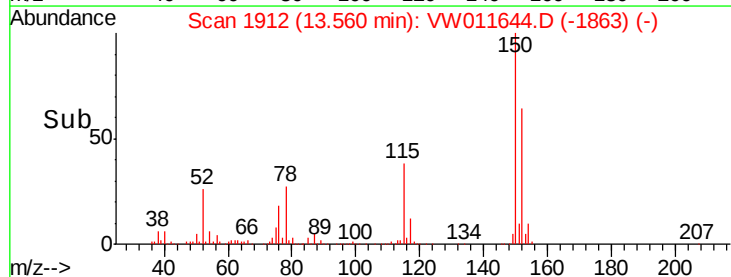
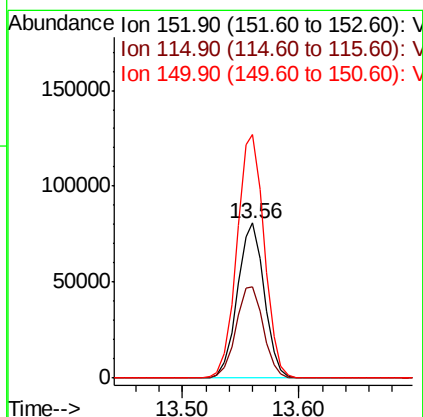
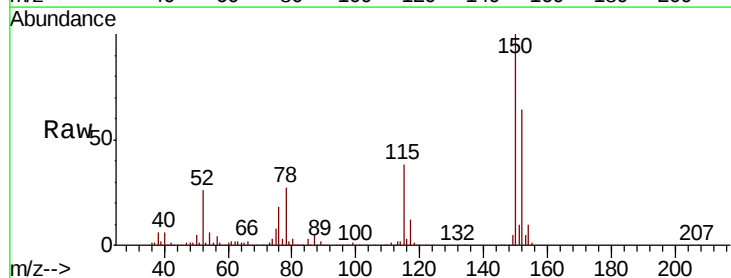
Instrument :
MSVOA_W
ClientSampleId :
1S-D3-(30)

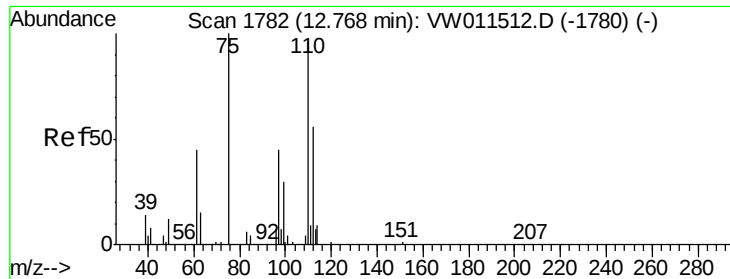
Tgt Ion:117 Resp: 348503
Ion Ratio Lower Upper
117 100
82 60.6 47.9 71.9
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011644.D
Acq: 03 Aug 2019 03:00

Tgt Ion:152 Resp: 129539
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 159.7 0.0 352.6

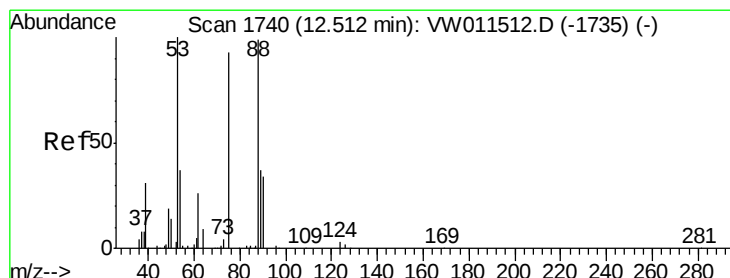
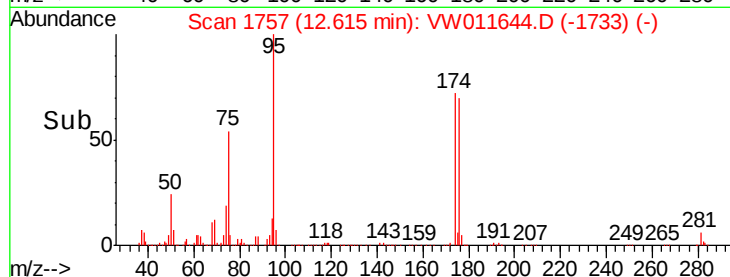
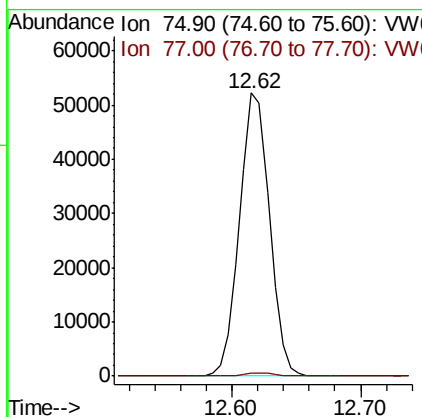
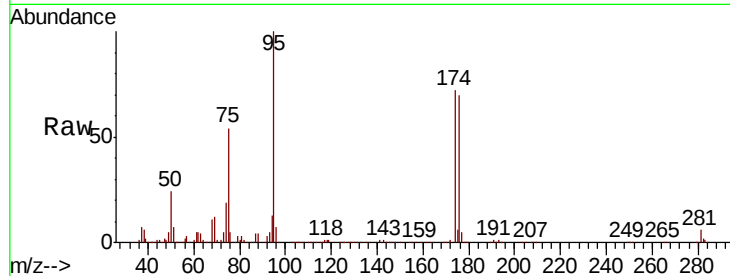




#76
 1,2,3-Trichloropropane
 Concen: 61.329 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011644.D
 Acq: 03 Aug 2019 03:00

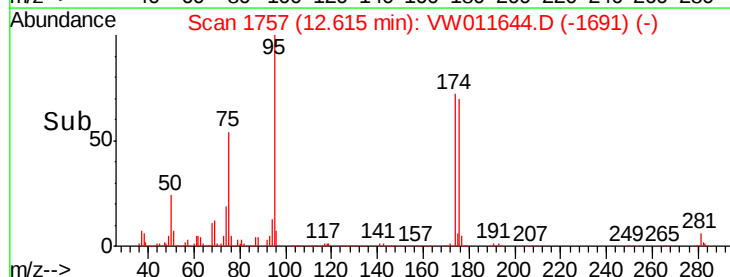
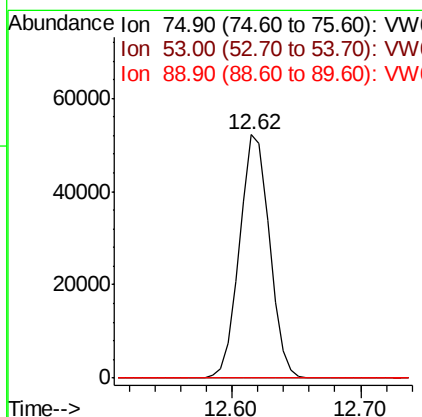
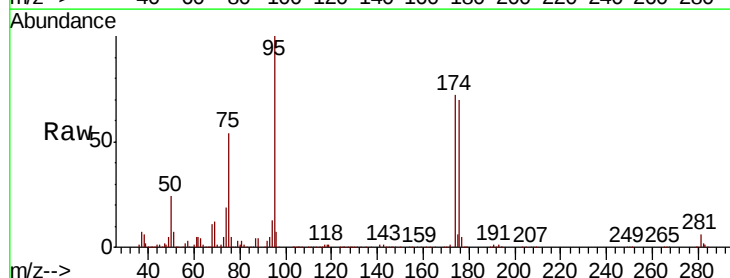
Instrument :
 MSVOA_W
 ClientSampleId :
 1S-D3-(30)

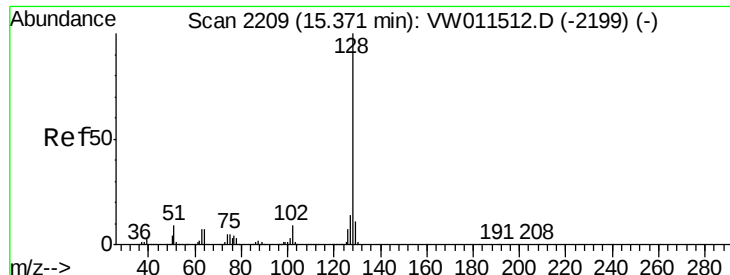
Tgt Ion: 75 Resp: 84062
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.342 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011644.D
 Acq: 03 Aug 2019 03:00

Tgt Ion: 75 Resp: 84062
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#

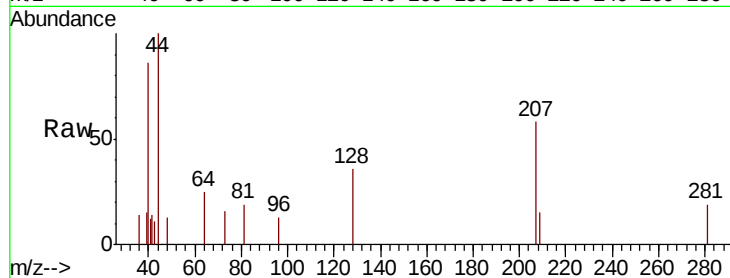




#95
Naphthalene
Concen: 2.108 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW011644.D
Acq: 03 Aug 2019 03:00

Instrument :
MSVOA_W
ClientSampleId :
1S-D3-(30)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

