

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092018\
 Data File : VU026907.D
 Acq On : 19 Sep 2018 19:15
 Operator : MD/SY
 Sample : J4934-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW132S-20180912

Quant Time: Sep 20 05:35:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	79231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	135791	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	133053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72544	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	67882	56.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.96%	
35) Dibromofluoromethane	4.88	113	60635	54.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.48%	
50) Toluene-d8	7.57	98	199555	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	10.31	95	66733	44.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.90%	

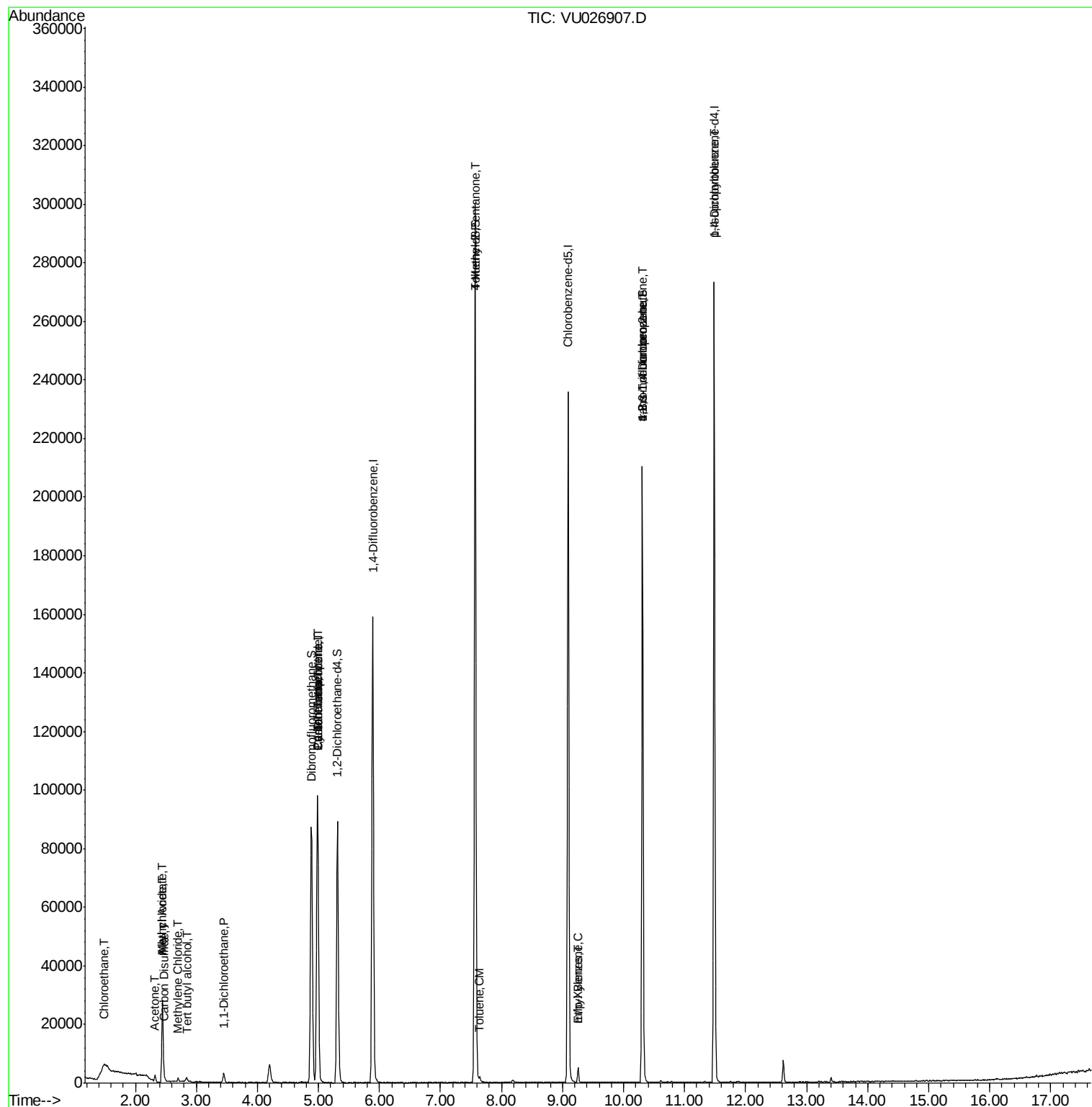
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.49	64	10295	13.052	ug/l #	55
11) Tert butyl alcohol	2.84	59	892	3.045	ug/l #	73
14) Allyl chloride	2.45	41	2812	1.716	ug/l #	70
16) Acetone	2.32	43	2290	3.365	ug/l	97
17) Carbon Disulfide	2.48	76	605	0.209	ug/l #	76
18) Methyl Acetate	2.44	43	7131	4.857	ug/l #	54
20) Methylene Chloride	2.70	84	492	0.446	ug/l	93
24) 1,1-Dichloroethane	3.45	63	3662	1.899	ug/l #	95
31) Cyclohexane	4.98	56	1465	0.652	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	5519	3.620	ug/l #	47
38) Carbon Tetrachloride	4.98	117	7055	4.380	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	768	0.411	ug/l #	1
52) Toluene	7.64	92	641	0.227	ug/l	89
67) Ethyl Benzene	9.25	91	3975	0.730	ug/l #	87
68) m/p-Xylenes	9.26	106	1346	0.650	ug/l #	39
76) 1,2,3-Trichloropropane	10.31	75	33072	20.352	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	33072	62.937	ug/l #	100
86) p-Isopropyltoluene	11.48	119	4185	1.899	ug/l	95

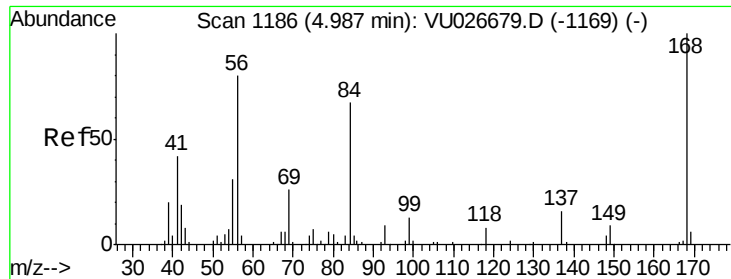
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026907.D

Acq: 19 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

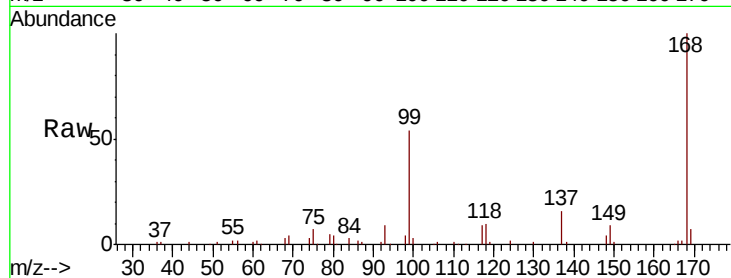
SA-MW132S-20180912

Tgt Ion:168 Resp: 79231

Ion Ratio Lower Upper

168 100

99 53.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)

4.99

30000

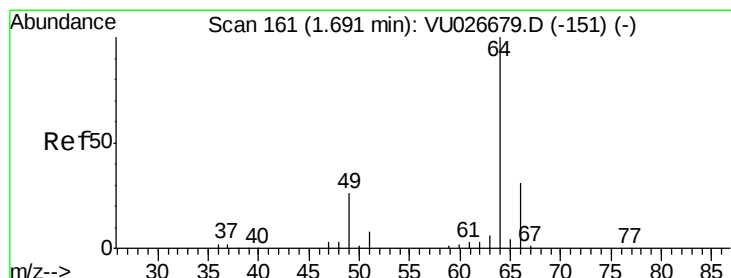
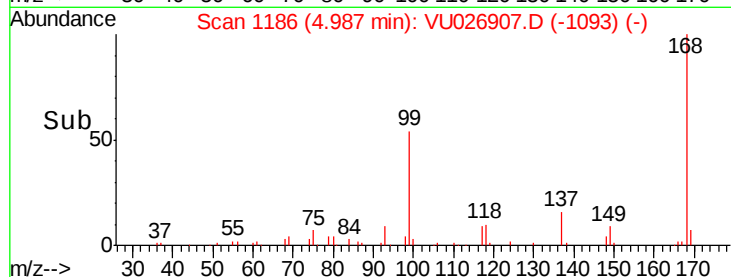
20000

10000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 13.052 ug/l

RT: 1.49 min Scan# 99

Delta R.T. -0.20 min

Lab File: VU026907.D

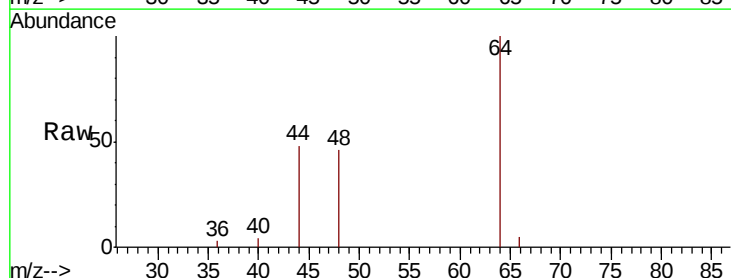
Acq: 19 Sep 2018 19:15

Tgt Ion: 64 Resp: 10295

Ion Ratio Lower Upper

64 100

66 6.2 24.7 37.1#



Abundance Ion 63.90 (63.60 to 64.60): VU026679.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU026679.D (-151) (-)

1.49

3000

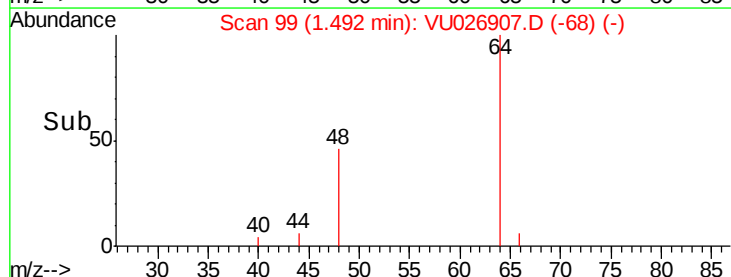
2000

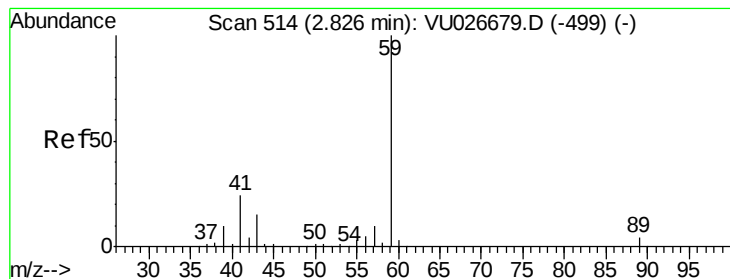
1000

0

1.35 1.40 1.45 1.50 1.55

Time-->



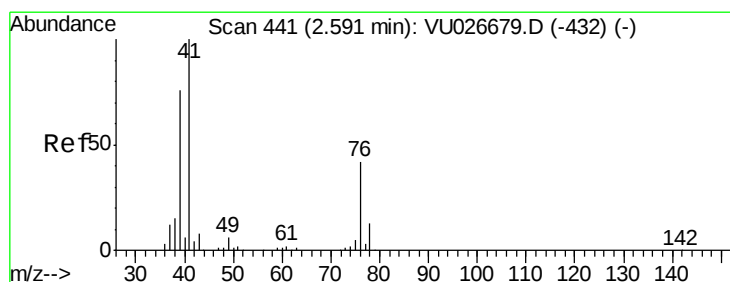
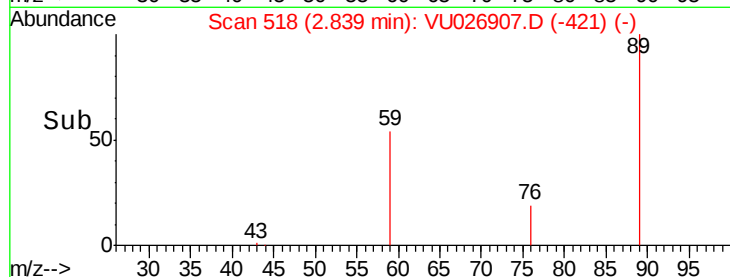
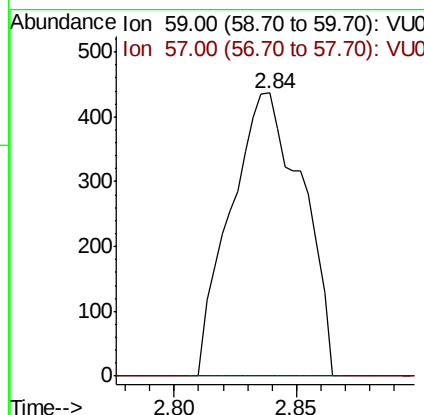
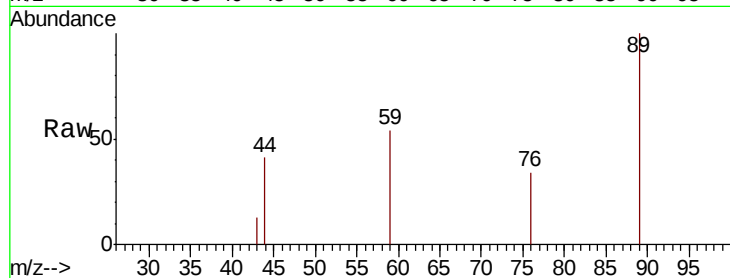


#11

Tert butyl alcohol
 Concen: 3.045 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW132S-20180912

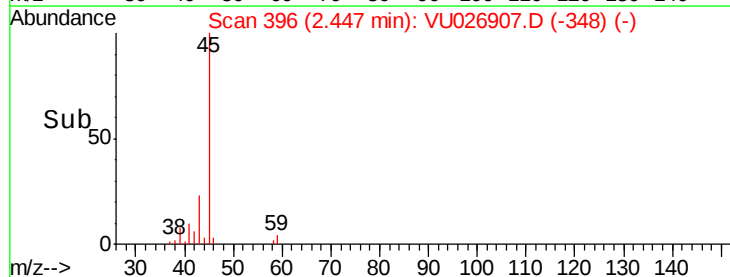
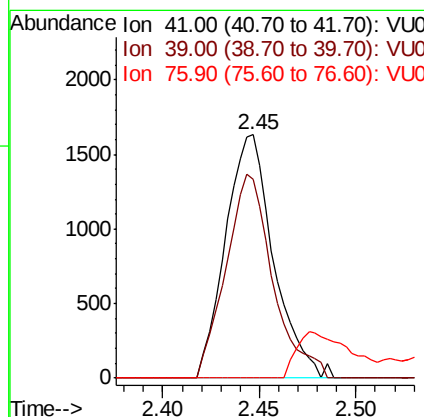
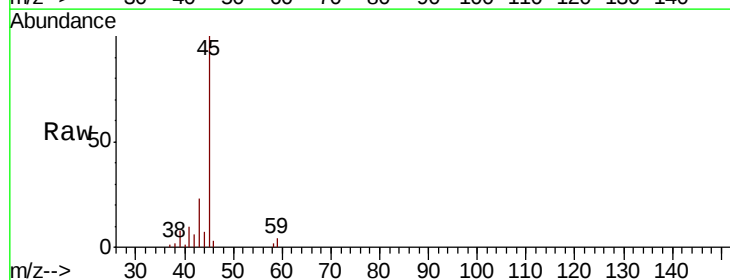
Tgt Ion: 59 Resp: 892
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

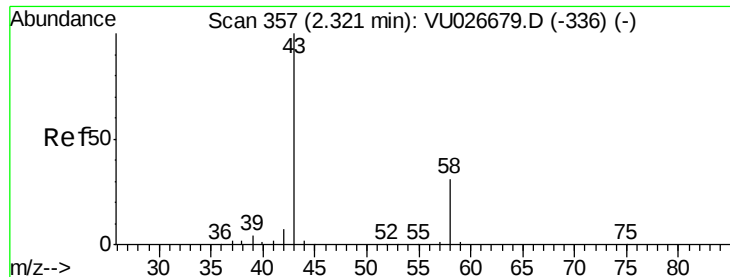


#14

Allyl chloride
 Concen: 1.716 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.14 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

Tgt Ion: 41 Resp: 2812
 Ion Ratio Lower Upper
 41 100
 39 81.6 56.9 85.3
 76 0.0 29.7 44.5#





#16

Acetone

Concen: 3.365 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026907.D

Acq: 19 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

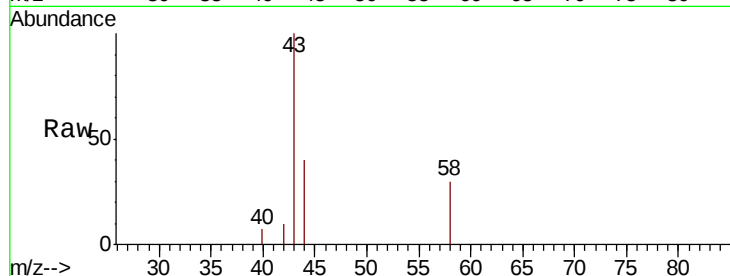
SA-MW132S-20180912

Tgt Ion: 43 Resp: 2290

Ion Ratio Lower Upper

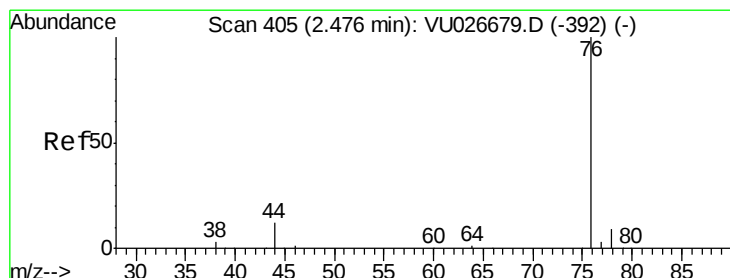
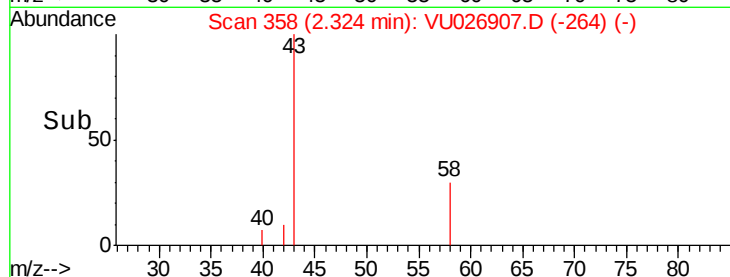
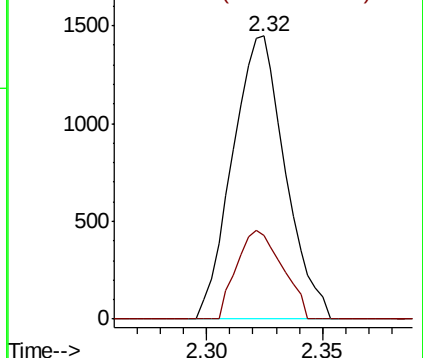
43 100

58 29.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU026907.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU026907.D (-264) (-)



#17

Carbon Disulfide

Concen: 0.209 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026907.D

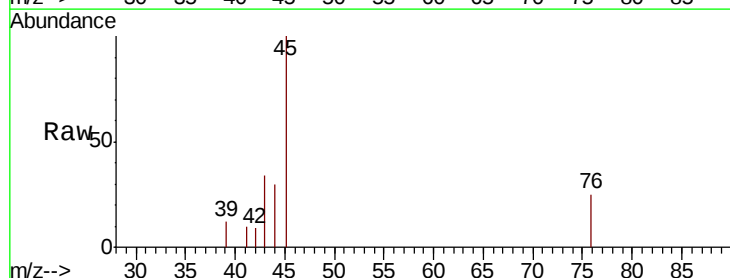
Acq: 19 Sep 2018 19:15

Tgt Ion: 76 Resp: 605

Ion Ratio Lower Upper

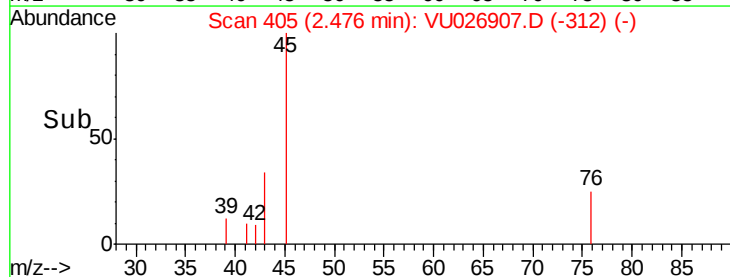
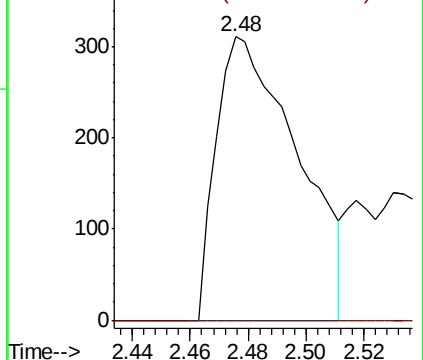
76 100

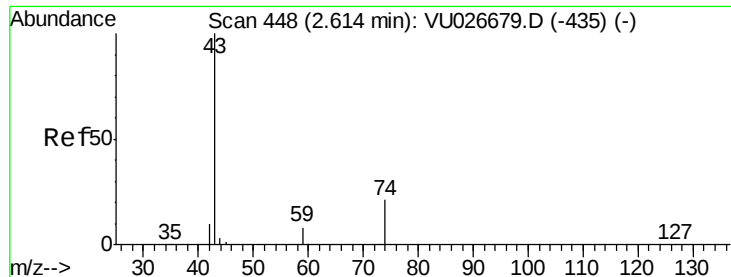
78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VU026907.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU026907.D (-312) (-)

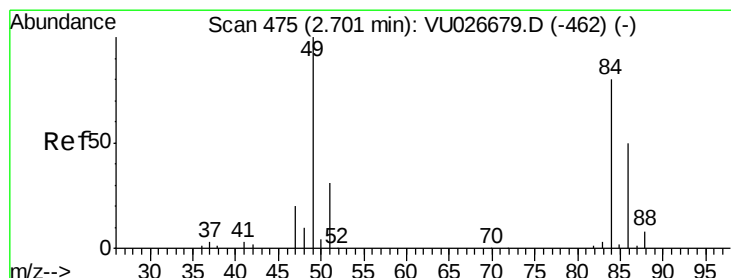
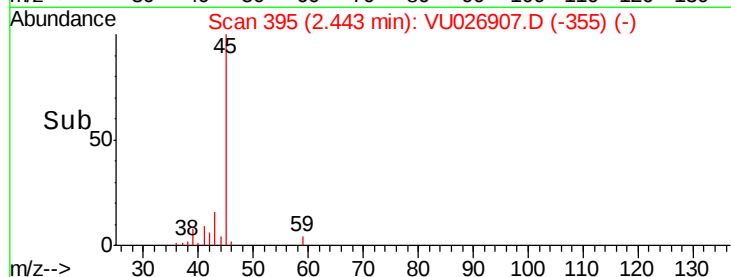
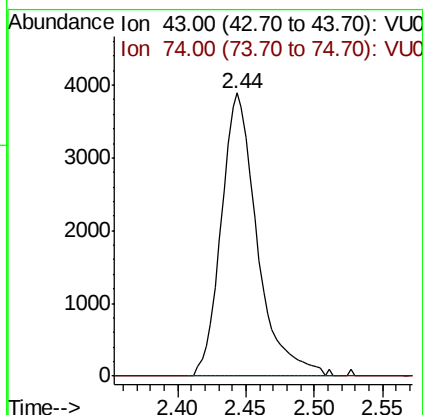
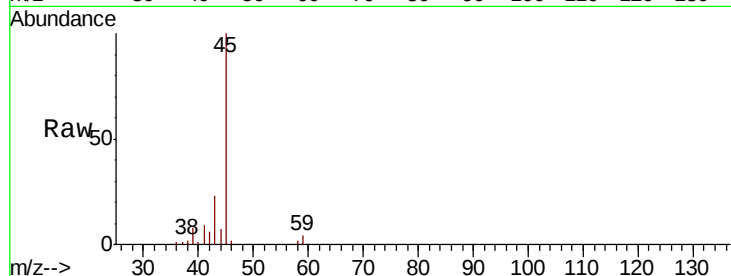




#18
Methyl Acetate
Concen: 4.857 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

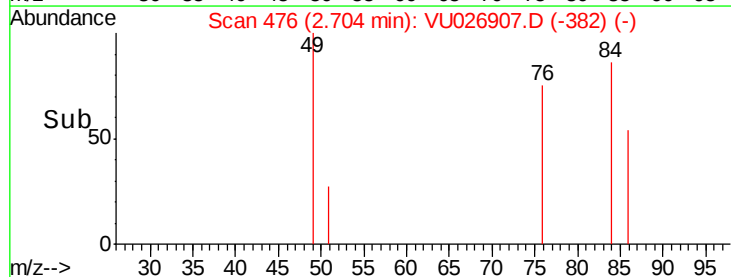
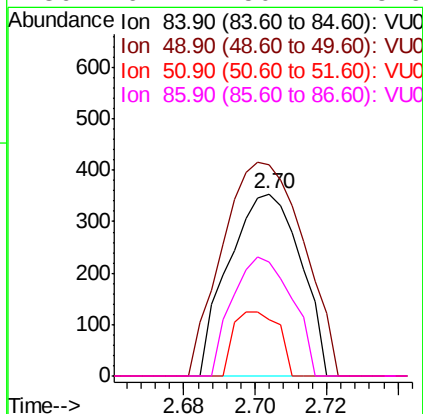
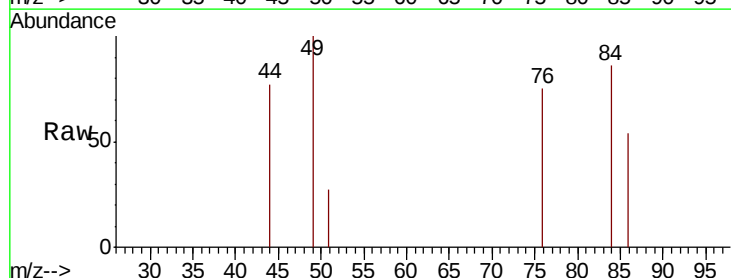
Instrument :
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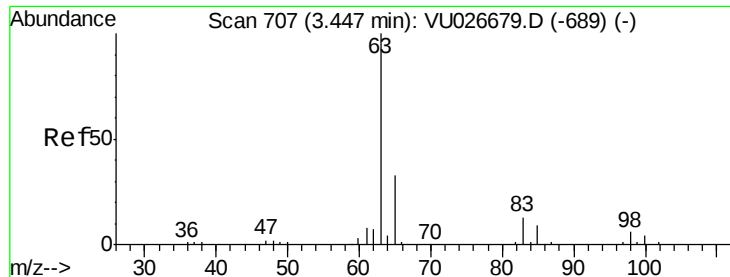
Tgt Ion: 43 Resp: 7131
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.446 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

Tgt Ion: 84 Resp: 492
Ion Ratio Lower Upper
84 100
49 116.1 100.6 151.0
51 31.1 30.9 46.3
86 62.7 50.4 75.6





#24

1,1-Dichloroethane

Concen: 1.899 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026907.D

Acq: 19 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

SA-MW132S-20180912

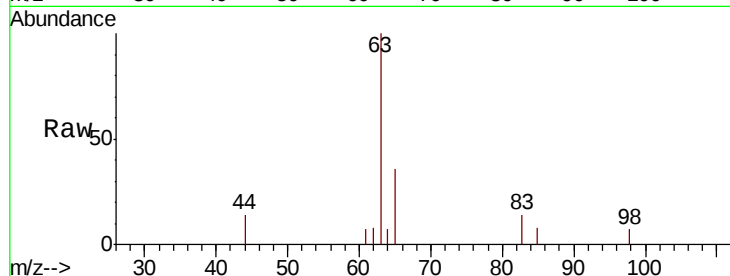
Tgt Ion: 63 Resp: 3662

Ion Ratio Lower Upper

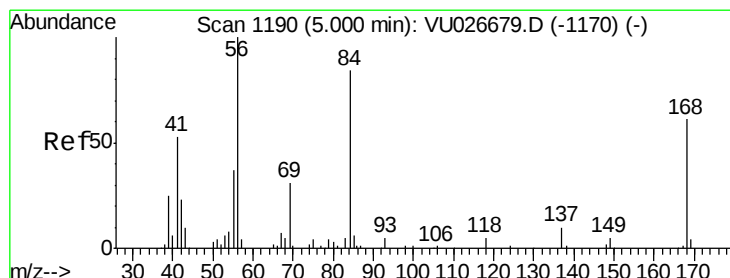
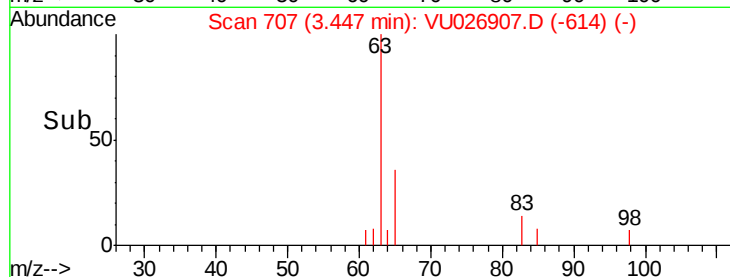
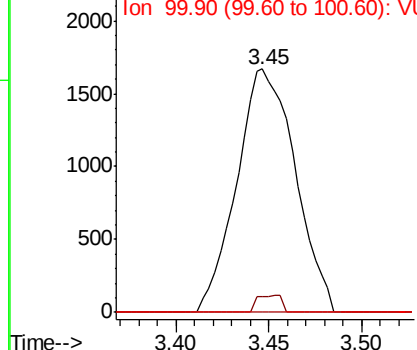
63 100

98 6.6 3.1 9.4

100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0



#31

Cyclohexane

Concen: 0.652 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU026907.D

Acq: 19 Sep 2018 19:15

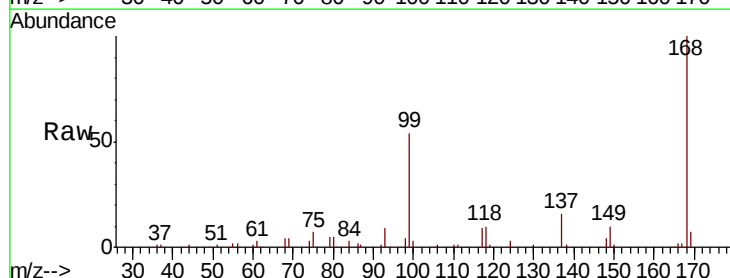
Tgt Ion: 56 Resp: 1465

Ion Ratio Lower Upper

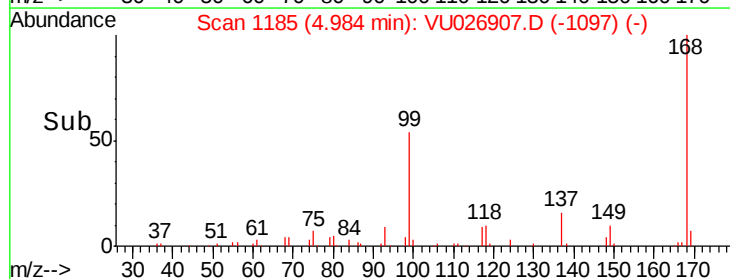
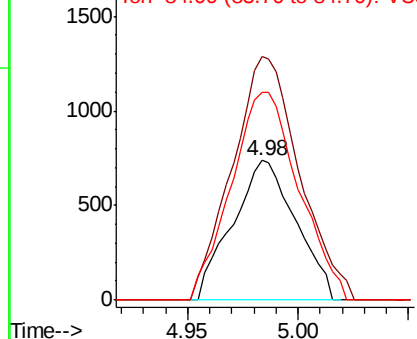
56 100

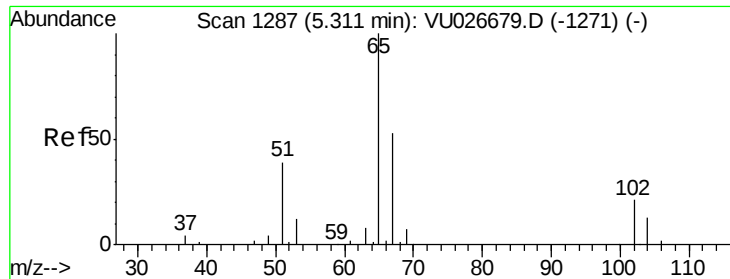
69 174.2 24.9 37.3#

84 148.7 66.6 100.0#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

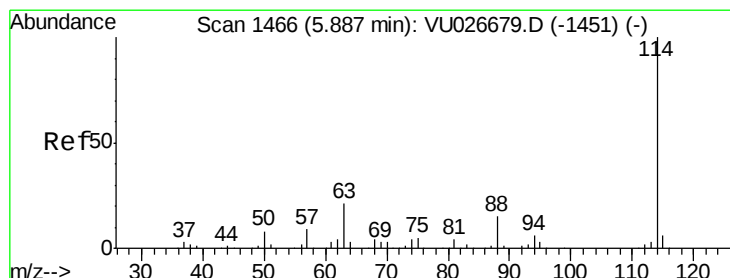
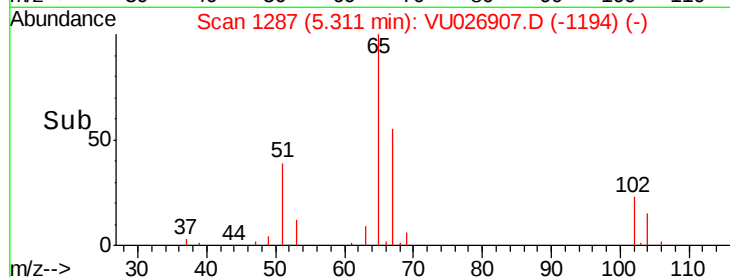
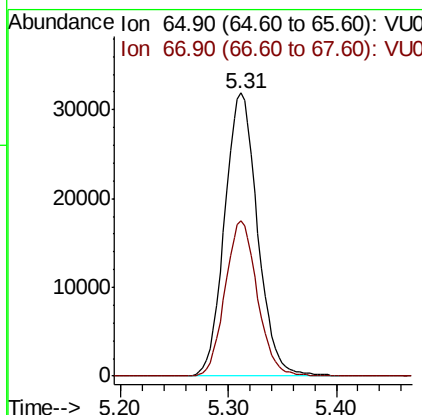
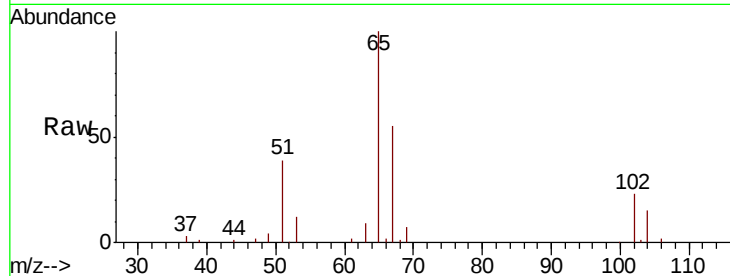




#33
 1,2-Dichloroethane-d4
 Concen: 56.479 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

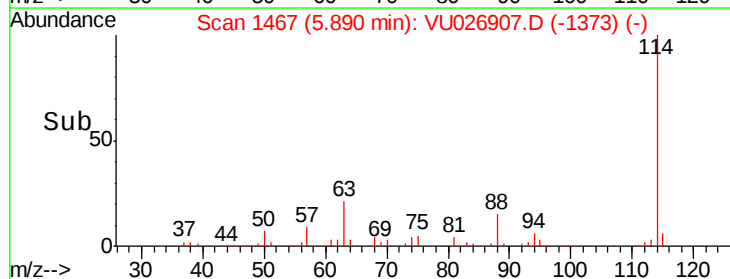
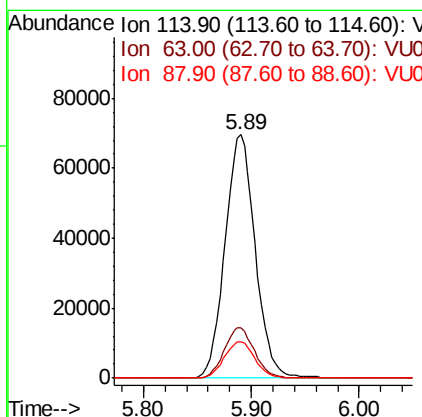
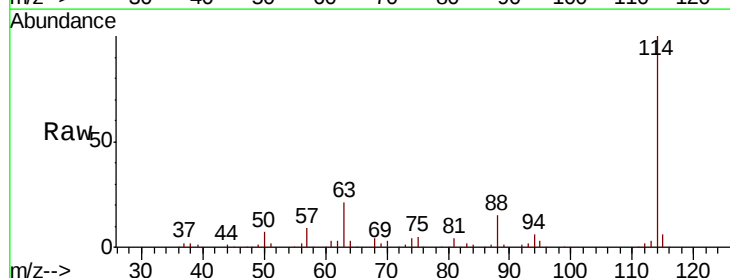
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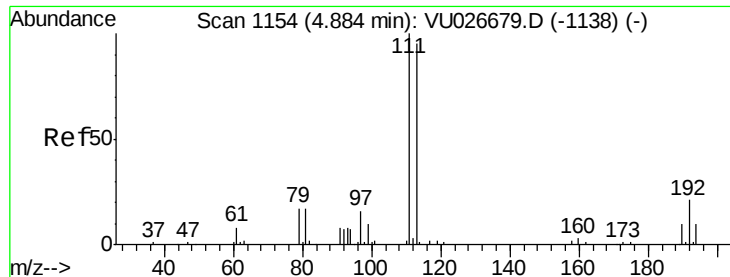
Tgt Ion: 65 Resp: 67882
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

Tgt Ion: 114 Resp: 135791
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.2 0.0 30.8

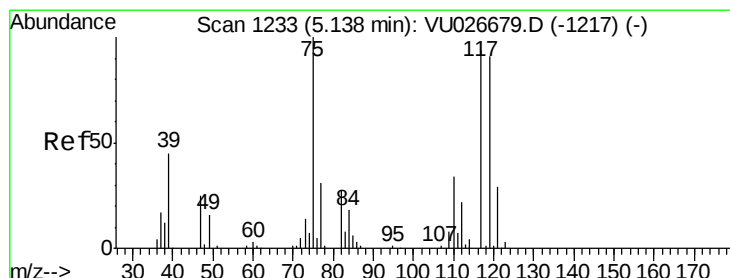
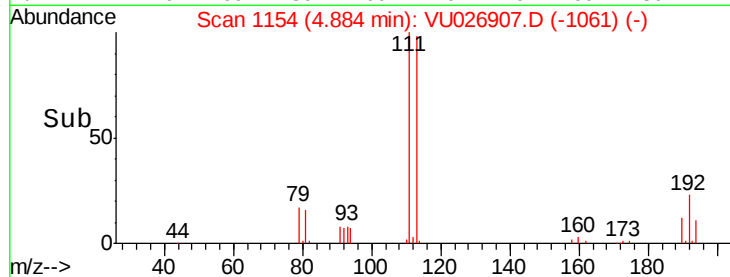
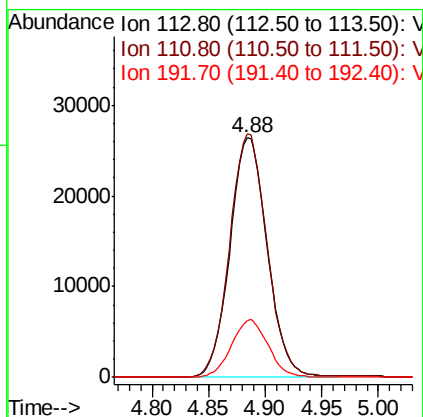
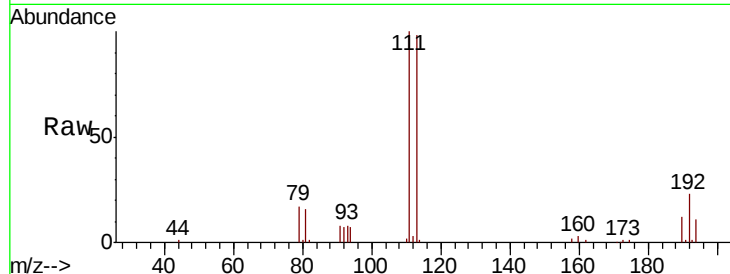




#35
 Dibromofluoromethane
 Concen: 54.742 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

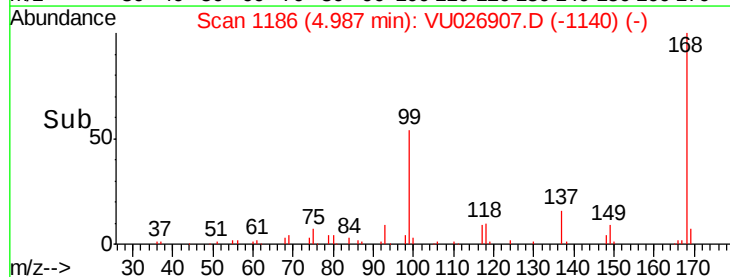
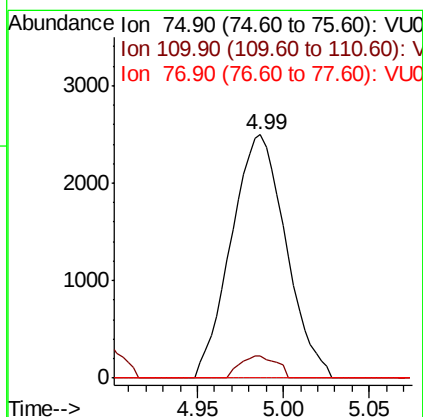
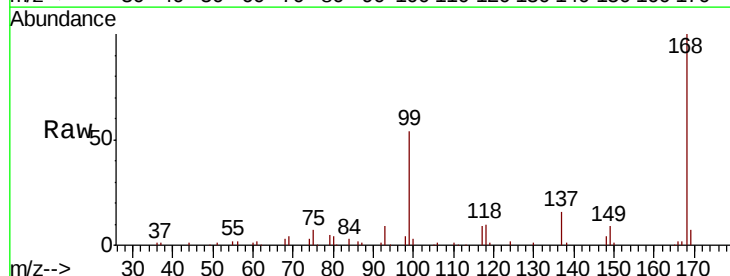
Instrument :
 MSVOA_U
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 SA-MW132S-20180912

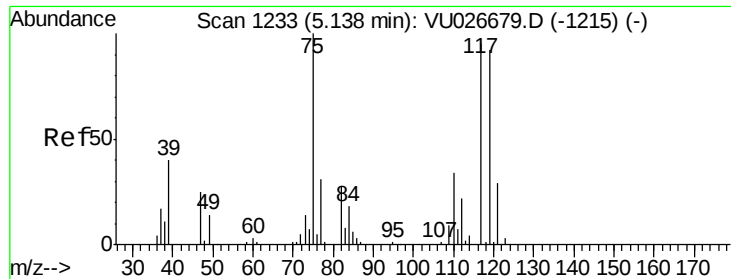
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.1	124.7
192	23.5	17.4	26.2



#36
 1,1-Dichloropropene
 Concen: 3.620 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.0	17.3	51.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 4.380 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU026907.D

Acq: 19 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

SA-MW132S-20180912

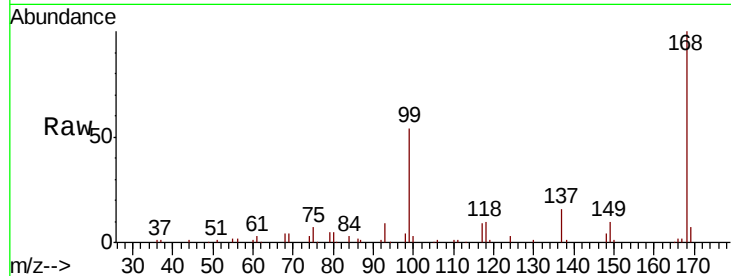
Tgt Ion:117 Resp: 7055

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.8#

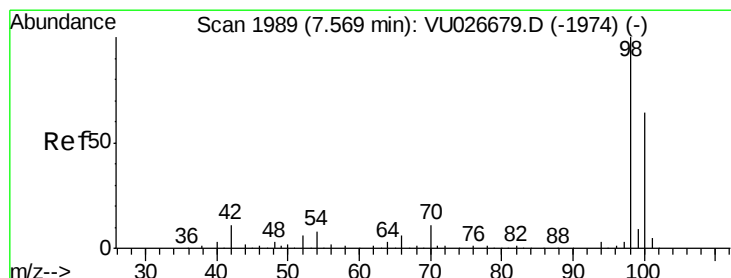
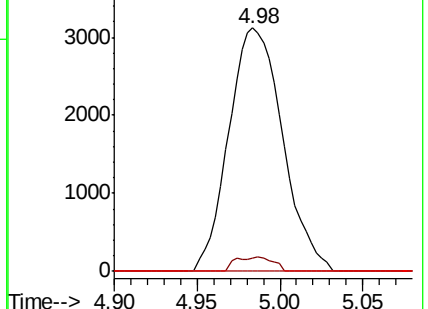
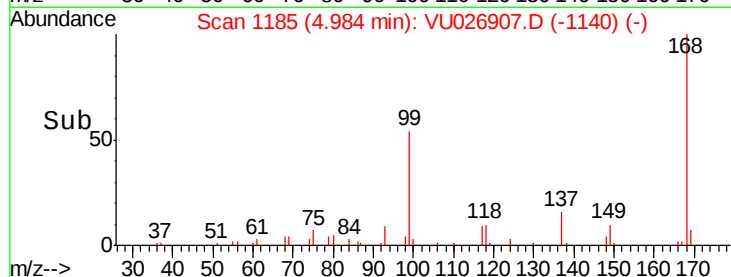
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 48.711 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026907.D

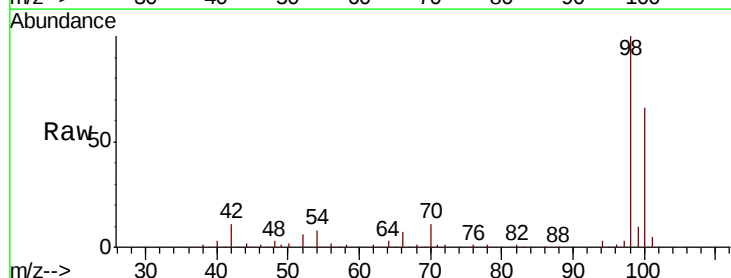
Acq: 19 Sep 2018 19:15

Tgt Ion: 98 Resp: 199555

Ion Ratio Lower Upper

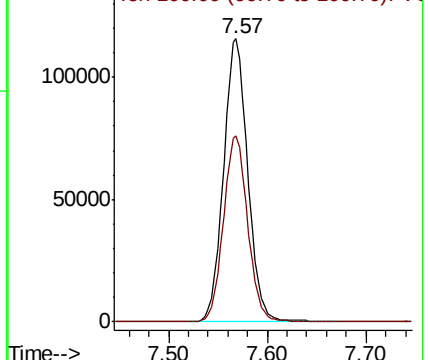
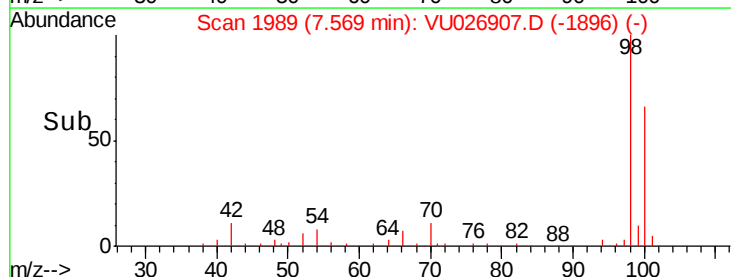
98 100

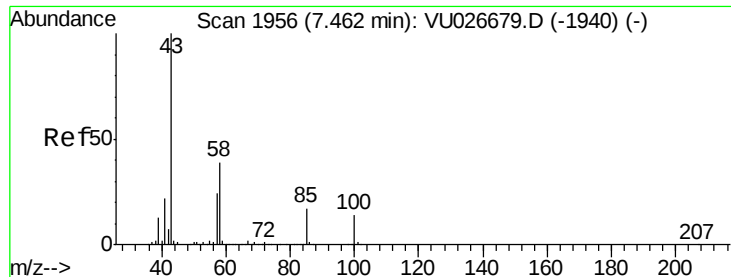
100 65.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

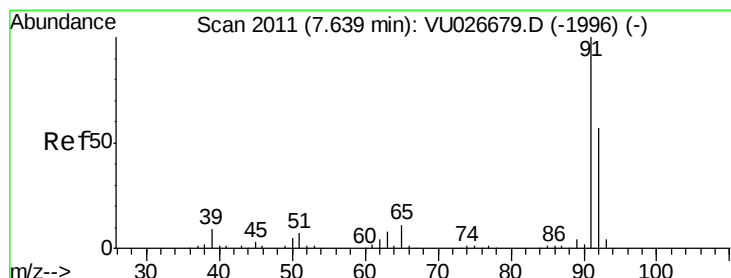
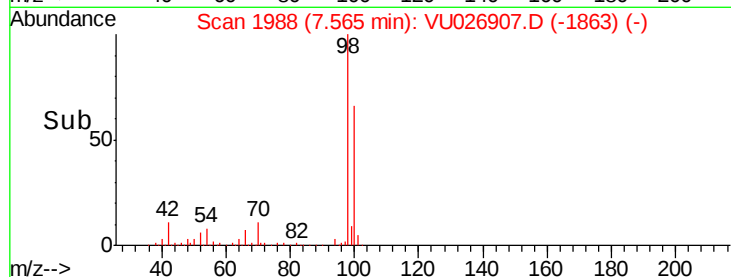
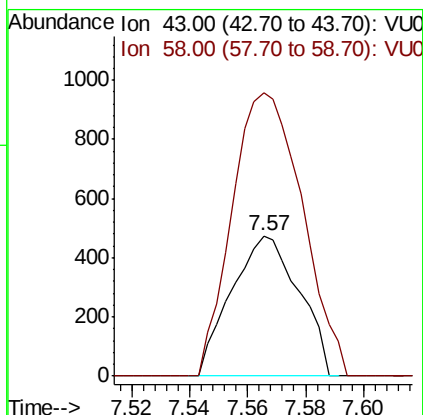
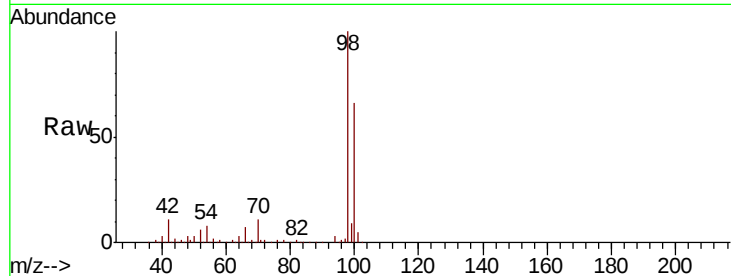




#51
 4-Methyl-2-Pentanone
 Concen: 0.411 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

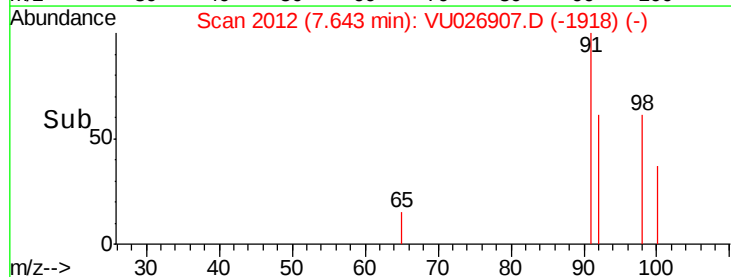
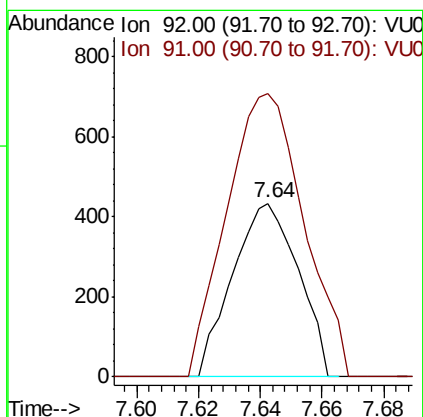
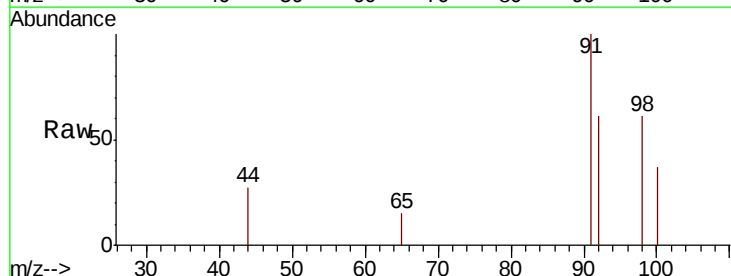
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW132S-20180912

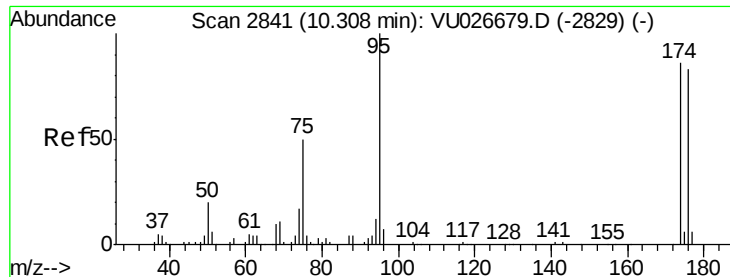
Tgt Ion: 43 Resp: 768
 Ion Ratio Lower Upper
 43 100
 58 209.4 31.1 46.7#



#52
 Toluene
 Concen: 0.227 ug/l
 RT: 7.64 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: VU026907.D
 Acq: 19 Sep 2018 19:15

Tgt Ion: 92 Resp: 641
 Ion Ratio Lower Upper
 92 100
 91 191.3 141.1 211.7

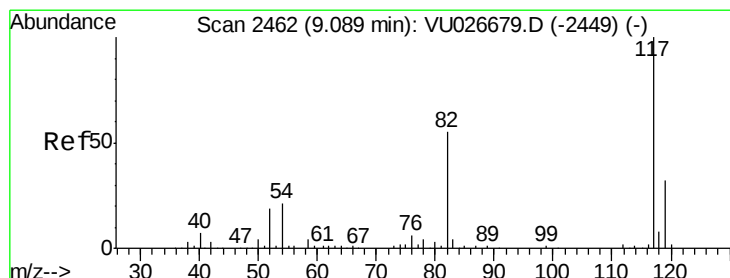
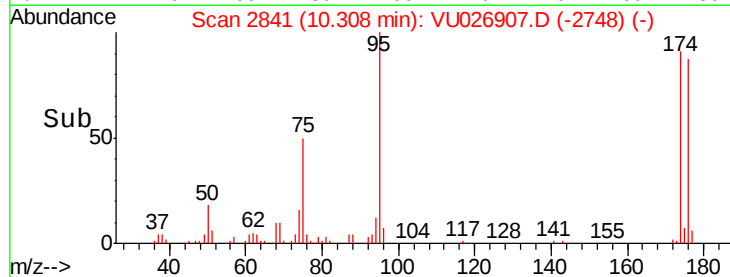
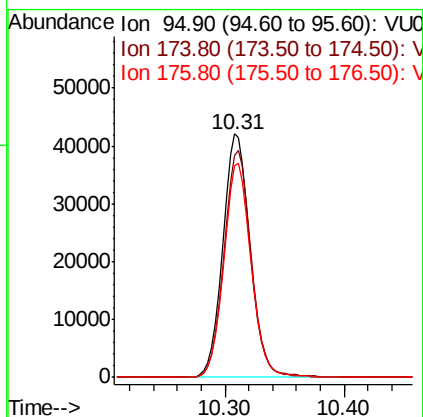
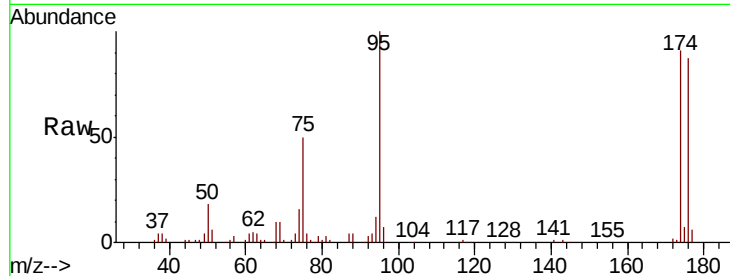




#62
4-Bromofluorobenzene
Concen: 44.945 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

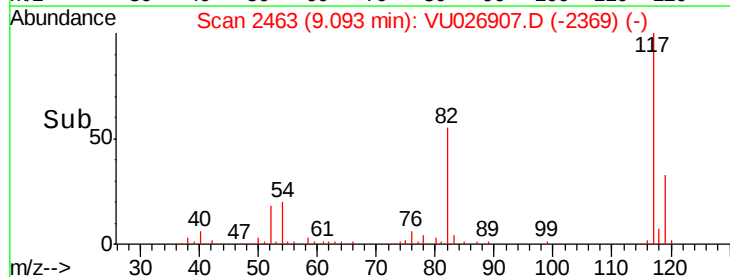
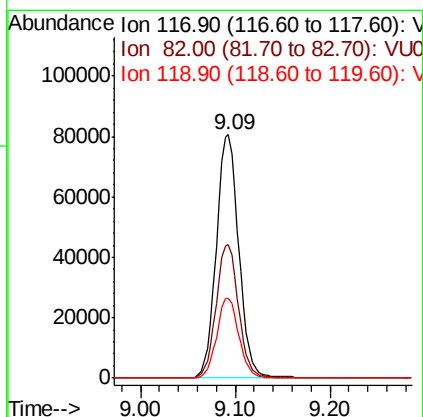
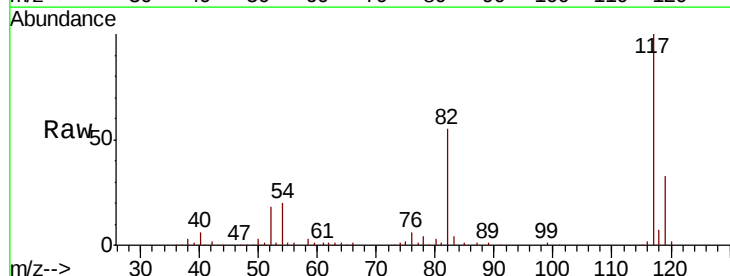
Instrument :
MSVOA_U
ClientSampleId :
SA-MW132S-20180912

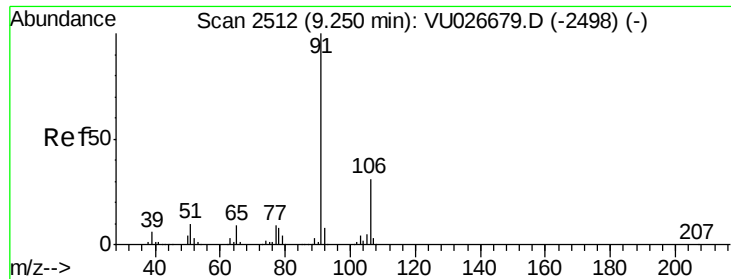
Tgt Ion: 95 Resp: 66733
Ion Ratio Lower Upper
95 100
174 93.3 0.0 172.8
176 88.0 0.0 168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

Tgt Ion: 117 Resp: 133053
Ion Ratio Lower Upper
117 100
82 54.8 44.1 66.1
119 33.0 25.7 38.5

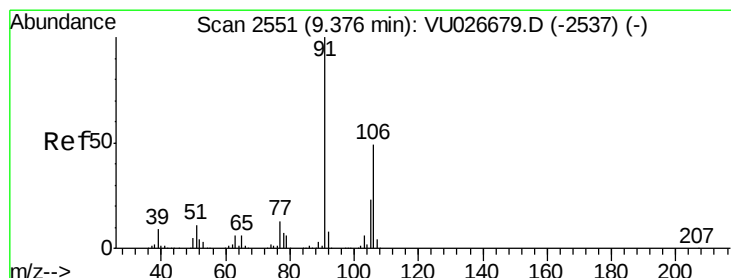
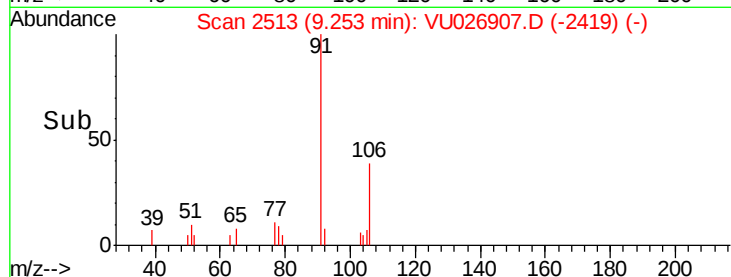
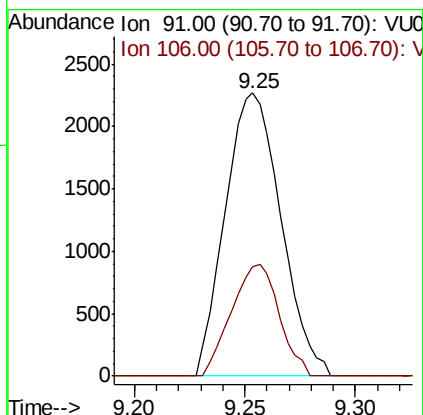
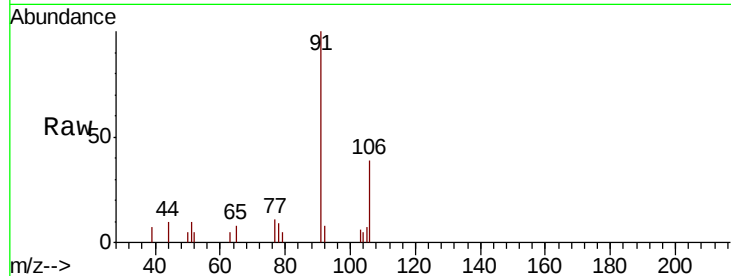




#67
Ethyl Benzene
Concen: 0.730 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

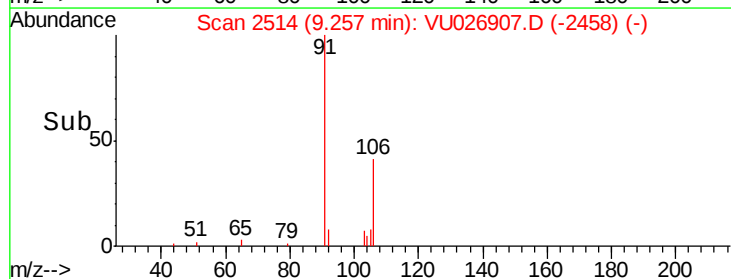
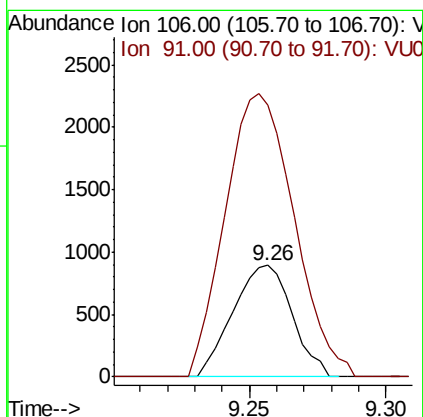
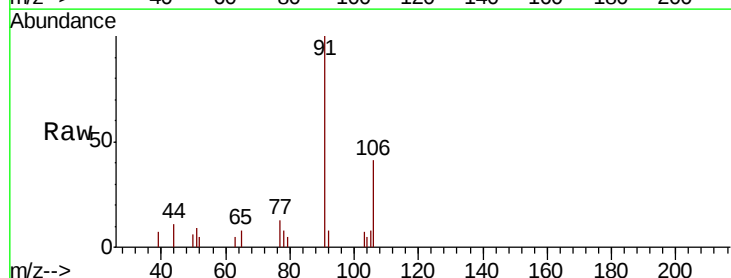
Instrument :
MSVOA_U
ClientSampleId :
SA-MW132S-20180912

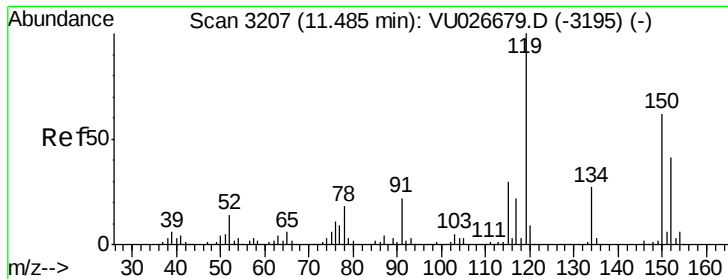
Tgt Ion: 91 Resp: 3975
Ion Ratio Lower Upper
91 100
106 38.6 25.0 37.4#



#68
m/p-Xylenes
Concen: 0.650 ug/l
RT: 9.26 min Scan# 2514
Delta R.T. -0.12 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

Tgt Ion: 106 Resp: 1346
Ion Ratio Lower Upper
106 100
91 295.3 162.1 243.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026907.D

Acq: 19 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

SA-MW132S-20180912

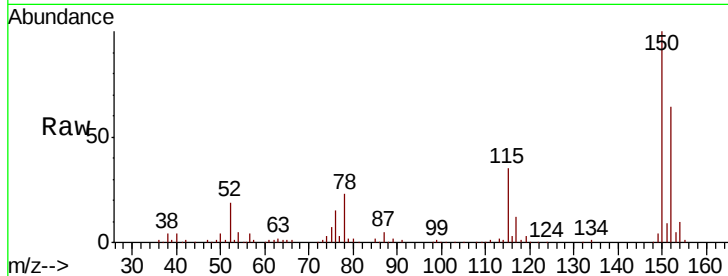
Tgt Ion: 152 Resp: 72544

Ion Ratio Lower Upper

152 100

115 54.9 40.4 121.1

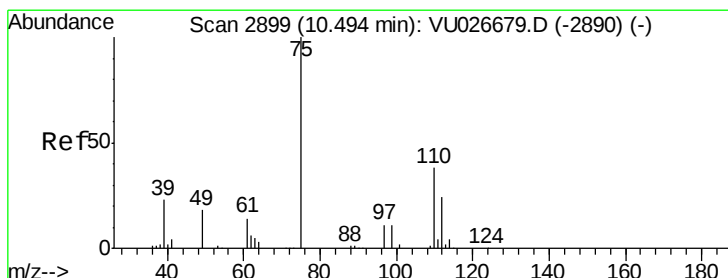
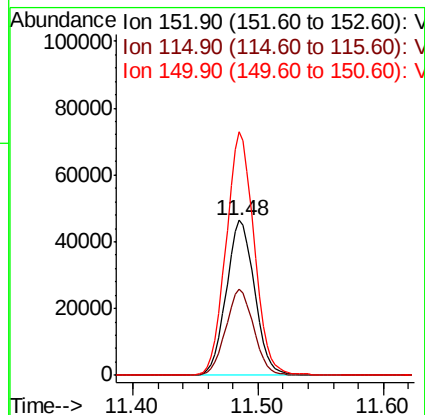
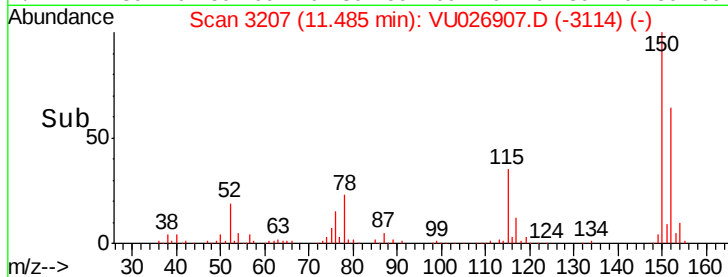
150 155.9 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.352 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026907.D

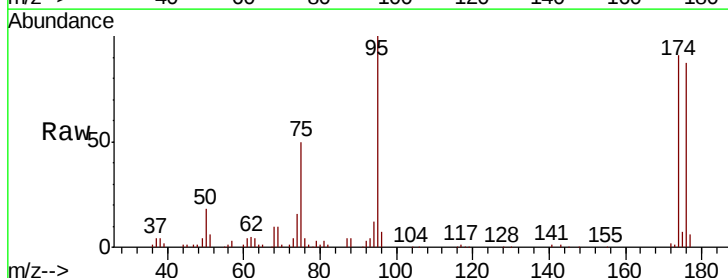
Acq: 19 Sep 2018 19:15

Tgt Ion: 75 Resp: 33072

Ion Ratio Lower Upper

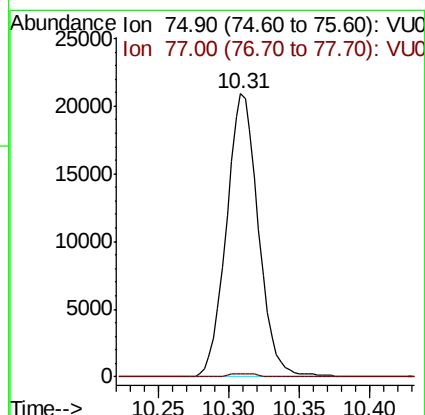
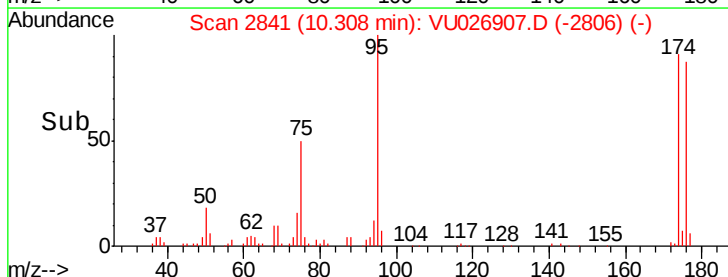
75 100

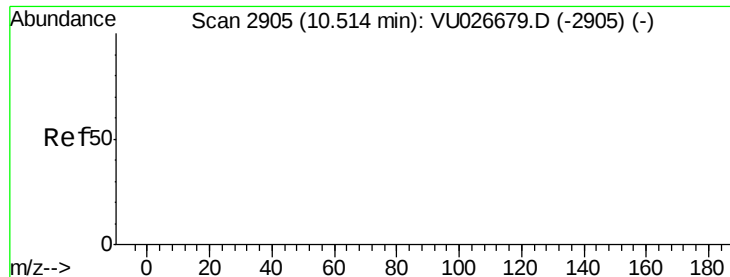
77 0.9 21.1 63.1#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

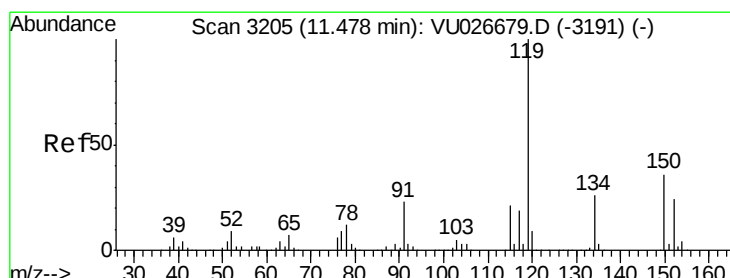
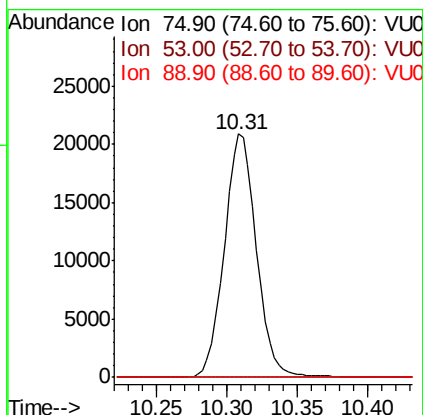
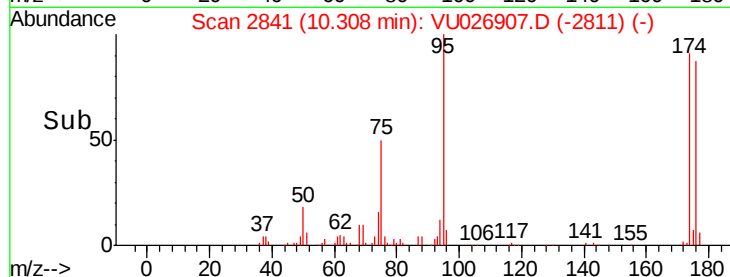
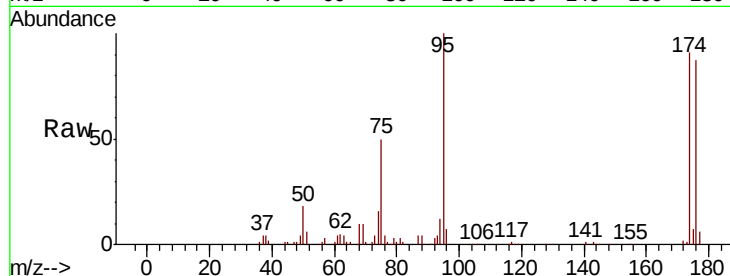




#81
trans-1,4-Dichloro-2-butene
Concen: 62.937 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

Instrument :
MSVOA_U
ClientSampleId :
SA-MW132S-20180912

Tgt Ion: 75 Resp: 33072
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 1.899 ug/l
RT: 11.48 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU026907.D
Acq: 19 Sep 2018 19:15

Tgt Ion: 119 Resp: 4185
Ion Ratio Lower Upper
119 100
134 27.3 13.2 39.5
91 27.0 11.6 34.8

