

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090618\
 Data File : VU026590.D
 Acq On : 06 Sep 2018 20:25
 Operator : MD/SY
 Sample : J4749-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E5FA9MSD

Quant Time: Sep 07 05:30:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 05:26:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	157003	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	144113	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	58810	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55823	57.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	114.78%
7) Chloroethane-d5	1.67	69	50445	57.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.84%
11) 1,1-Dichloroethene-d2	2.27	63	111595	50.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.88%
21) 2-Butanone-d5	4.18	46	90292	119.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.59%
24) Chloroform-d	4.65	84	96755	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.32%
26) 1,2-Dichloroethane-d4	5.31	65	66557	54.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.82%
32) Benzene-d6	5.34	84	195151	58.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.50%
36) 1,2-Dichloropropane-d6	6.33	67	67932	59.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.06%
41) Toluene-d8	7.57	98	171174	53.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.76%
43) trans-1,3-Dichloropropene-	7.85	79	28622	54.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.86%
47) 2-Hexanone-d5	8.31	63	66140	126.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	91772	54.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	62782	58.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.68%

Target Compounds

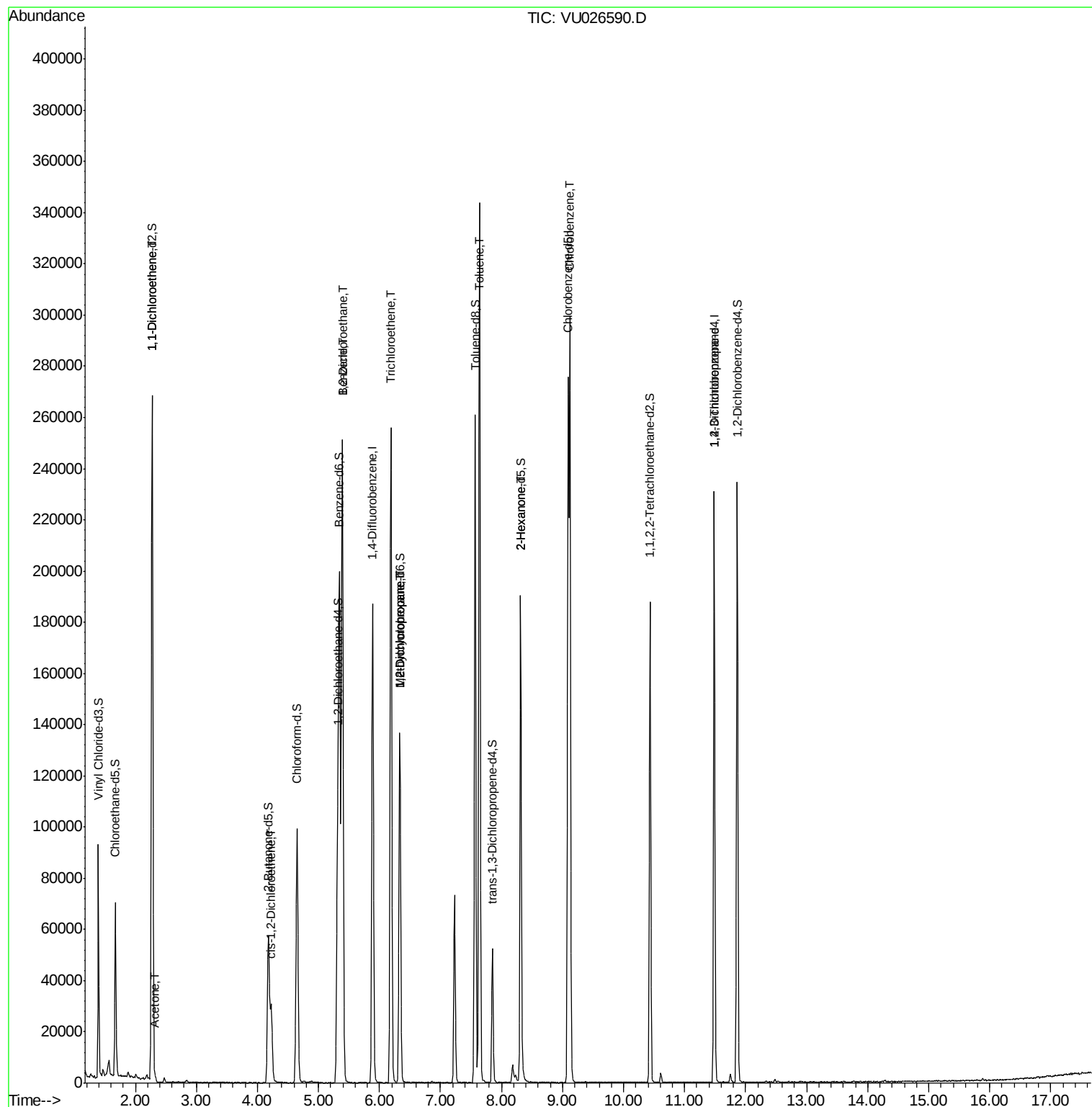
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.28	96	56650	50.550	ug/L	96
13) Acetone	2.32	43	1115	1.706	ug/L	80
20) cis-1,2-Dichloroethene	4.23	96	14920	13.139	ug/L	97
27) 1,2-Dichloroethane	5.40	62	2295	1.399	ug/L #	76
33) Benzene	5.39	78	246620	59.692	ug/L	100
34) Trichloroethene	6.19	95	87099	84.047	ug/L	98
35) Methylcyclohexane	6.33	83	15402	9.518	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6868	6.005	ug/L #	88
42) Toluene	7.64	91	248594	57.664	ug/L	99
48) 2-Hexanone	8.31	43	7885	6.490	ug/L #	67
51) Chlorobenzene	9.12	112	153754	53.333	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	6990	4.898	ug/L #	84

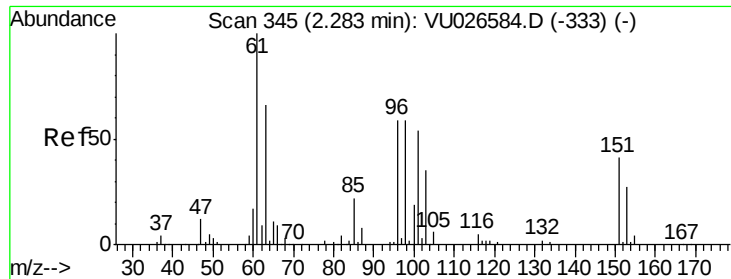
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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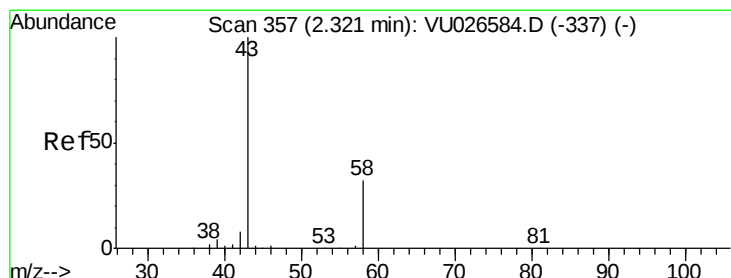
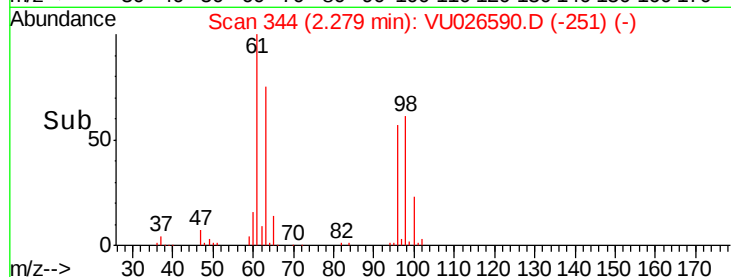
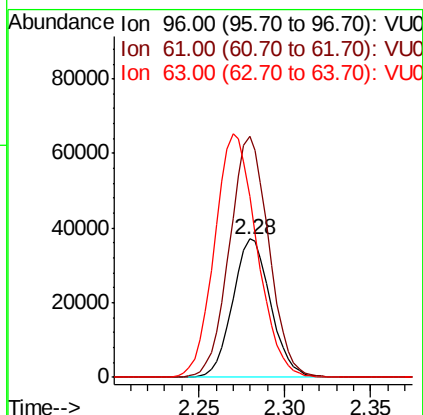
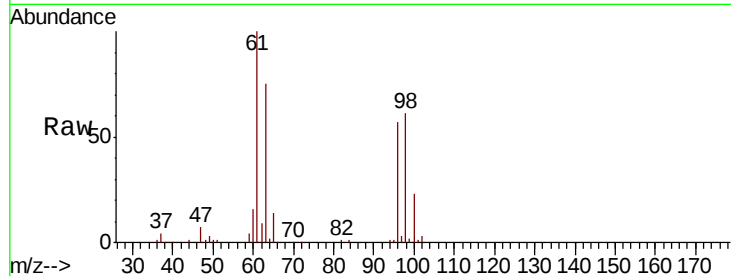




#12
 1,1-Dichloroethene
 Concen: 50.550 ug/L
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU026590.D
 Acq: 06 Sep 2018 20:25

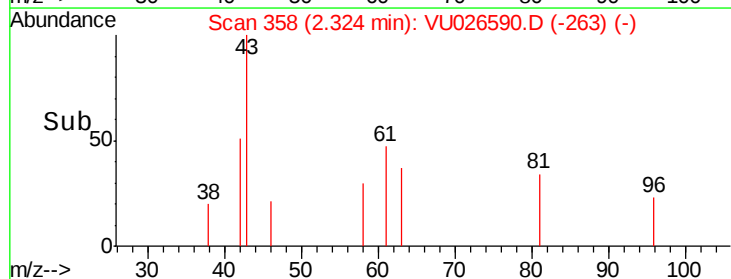
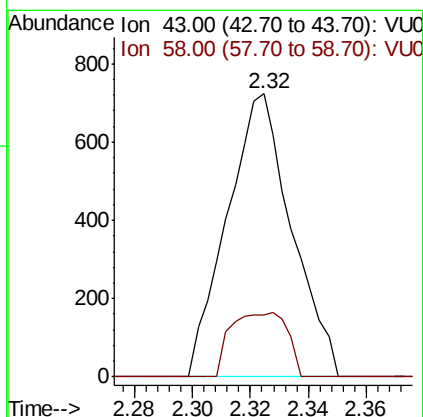
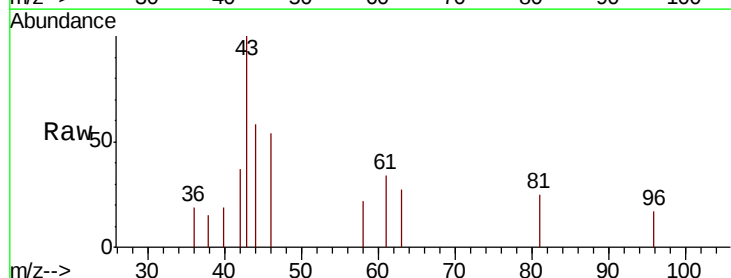
Instrument :
 MSVOA_U
 ClientSampleId :
 E5FA9MSD

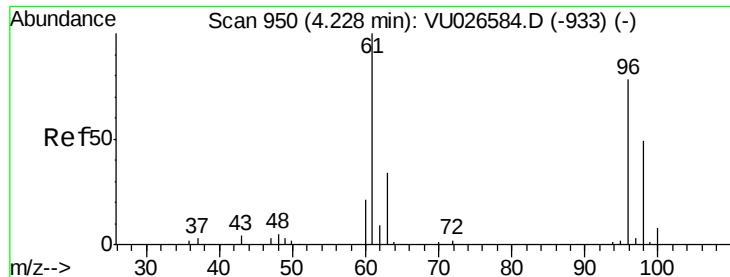
Tgt Ion: 96 Resp: 56650
 Ion Ratio Lower Upper
 96 100
 61 174.3 129.3 240.1
 63 131.1 91.7 170.3



#13
 Acetone
 Concen: 1.706 ug/L
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU026590.D
 Acq: 06 Sep 2018 20:25

Tgt Ion: 43 Resp: 1115
 Ion Ratio Lower Upper
 43 100
 58 19.8 0.0 61.2



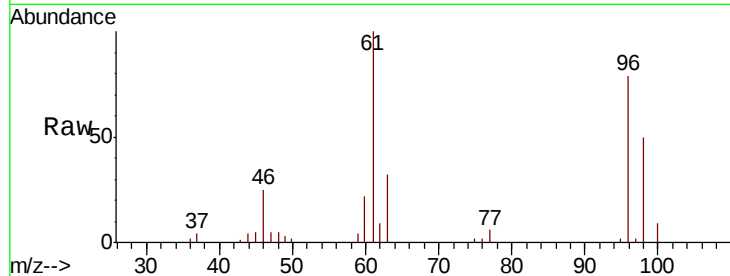


#20

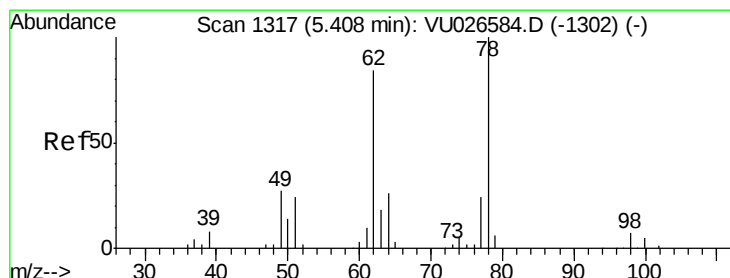
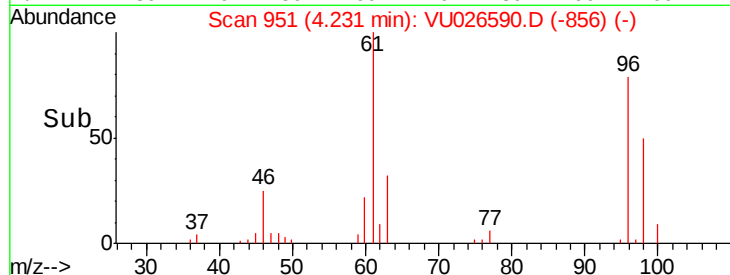
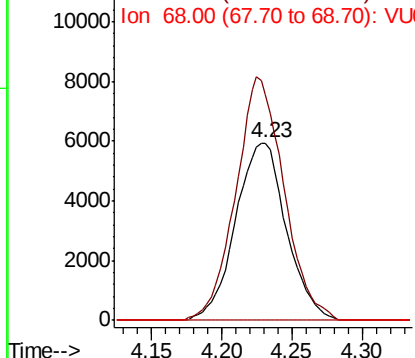
cis-1,2-Dichloroethene
 Concen: 13.139 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU026590.D
 Acq: 06 Sep 2018 20:25

Instrument :
 MSVOA_U
 ClientSampleId :
 E5FA9MSD

Tgt Ion: 96 Resp: 14920
 Ion Ratio Lower Upper
 96 100
 61 126.9 91.6 170.2
 68 0.0 0.0 0.0



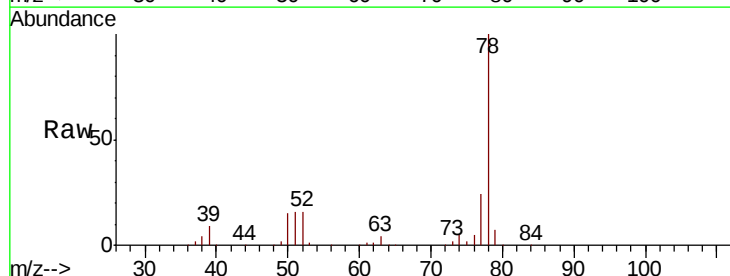
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



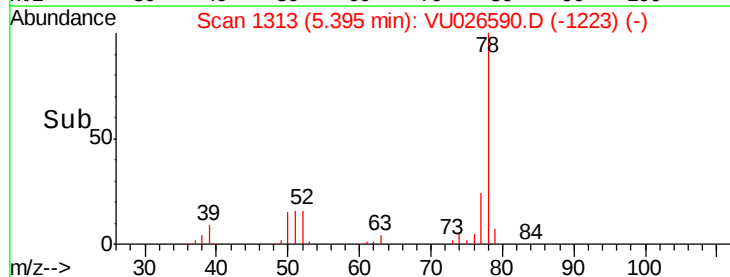
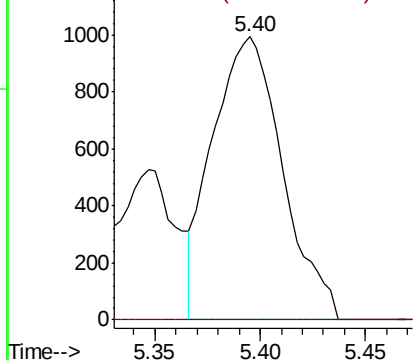
#27

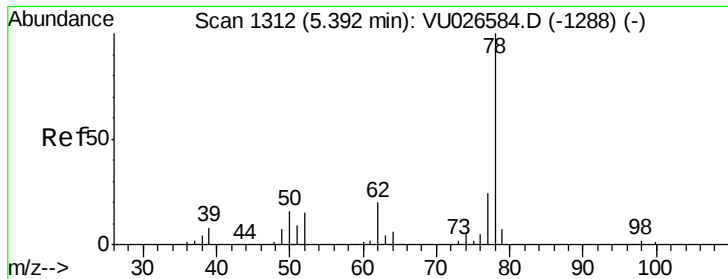
1,2-Dichloroethane
 Concen: 1.399 ug/L
 RT: 5.40 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VU026590.D
 Acq: 06 Sep 2018 20:25

Tgt Ion: 62 Resp: 2295
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.8 10.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#33

Benzene

Concen: 59.692 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026590.D

Acq: 06 Sep 2018 20:25

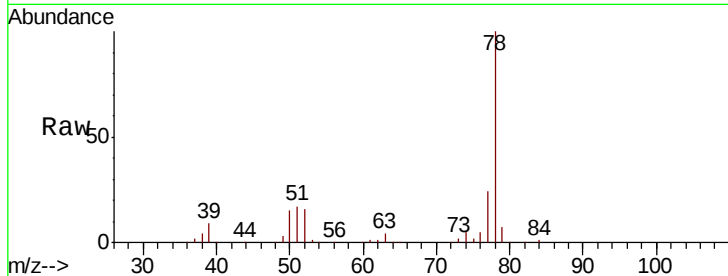
Instrument :

MSVOA_U

ClientSampleId :

E5FA9MSD

Tgt Ion: 78 Resp: 246620



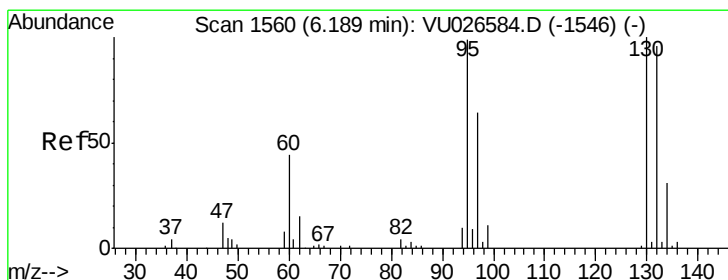
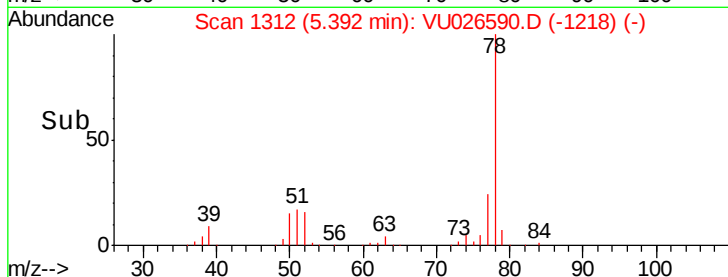
Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

100000

50000

Time-->



#34

Trichloroethene

Concen: 84.047 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026590.D

Acq: 06 Sep 2018 20:25

Tgt Ion: 95 Resp: 87099

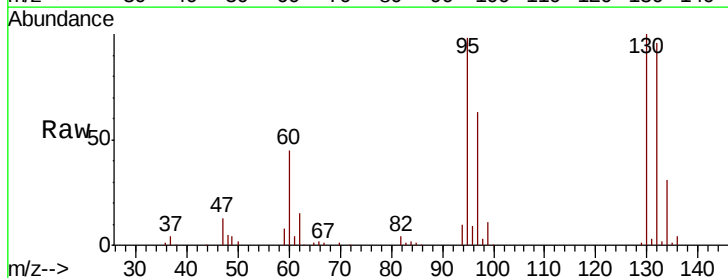
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.7

132 97.4 67.5 125.3

130 102.0 69.3 128.7



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

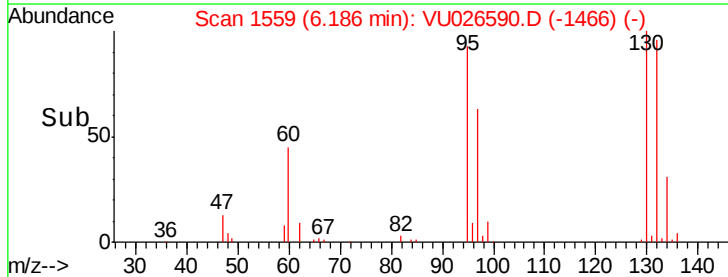
6.19

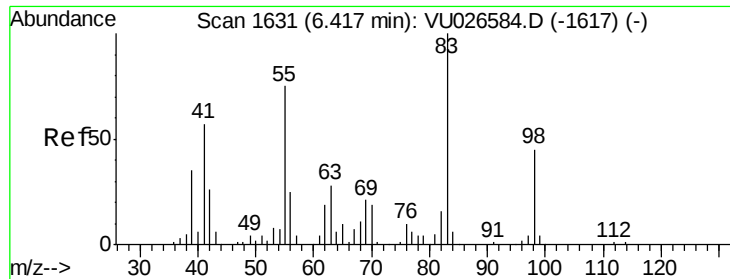
60000

40000

20000

Time-->

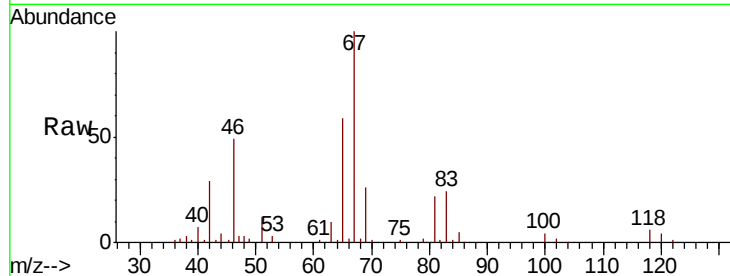




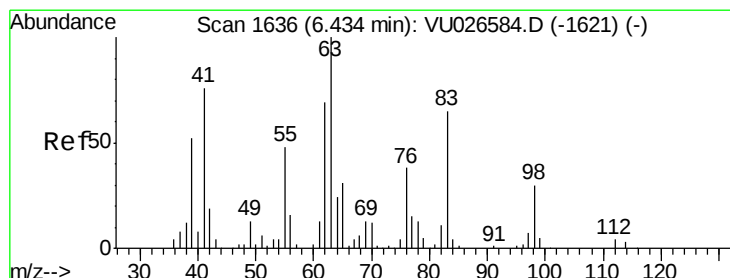
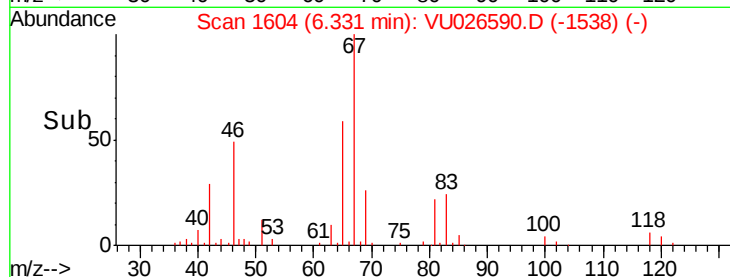
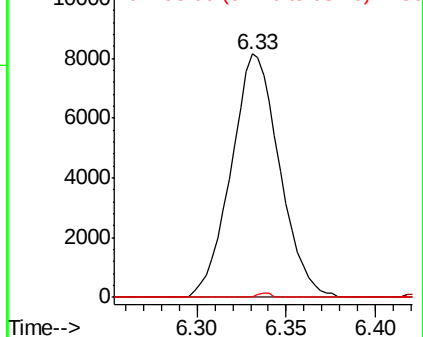
#35
Methylcyclohexane
Concen: 9.518 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026590.D
Acq: 06 Sep 2018 20:25

Instrument :
MSVOA_U
ClientSampleId :
E5FA9MSD

Tgt Ion: 83 Resp: 15402
Ion Ratio Lower Upper
83 100
55 0.4 63.3 94.9#
98 0.5 36.7 55.1#

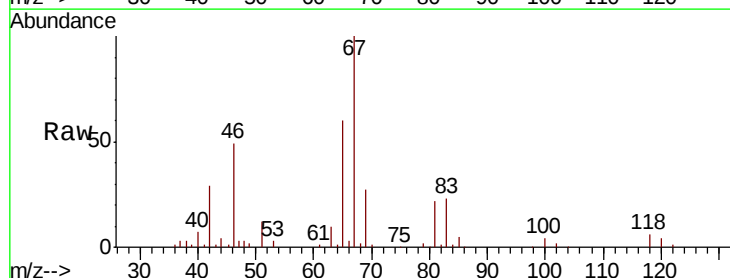


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

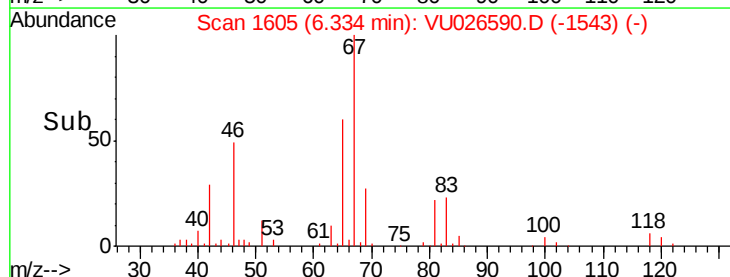
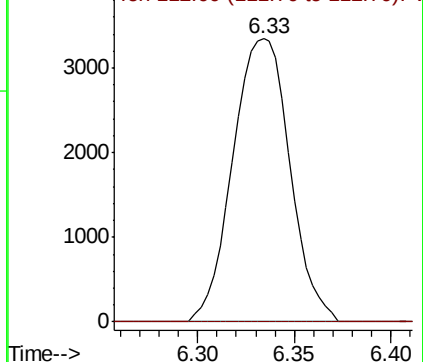


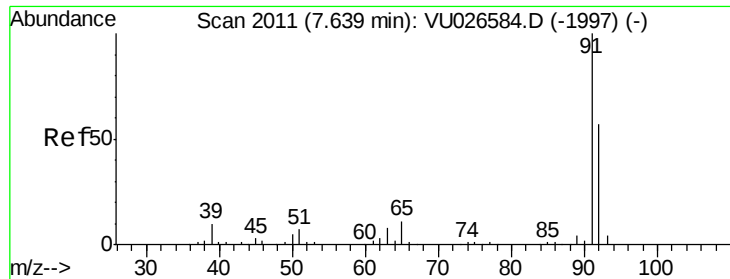
#37
1,2-Dichloropropane
Concen: 6.005 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026590.D
Acq: 06 Sep 2018 20:25

Tgt Ion: 63 Resp: 6868
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 57.664 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026590.D

Acq: 06 Sep 2018 20:25

Instrument :

MSVOA_U

ClientSampleId :

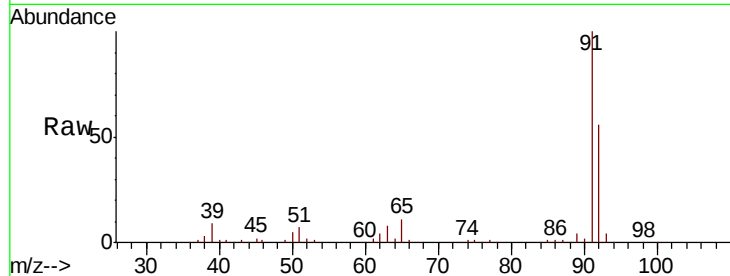
E5FA9MSD

Tgt Ion: 91 Resp: 248594

Ion Ratio Lower Upper

91 100

92 56.2 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU026584.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU026584.D (-1997) (-)

7.64

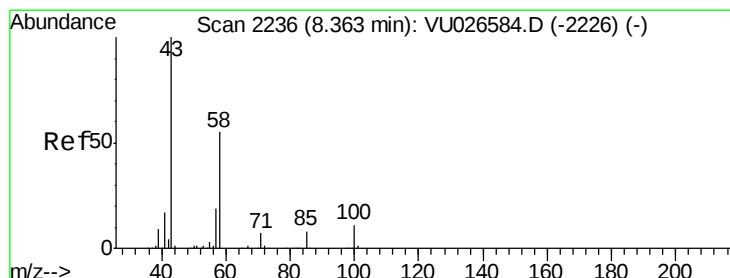
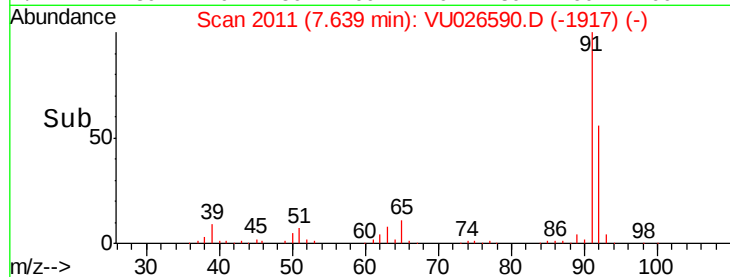
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70



#48

2-Hexanone

Concen: 6.490 ug/L

RT: 8.31 min Scan# 2220

Delta R.T. -0.05 min

Lab File: VU026590.D

Acq: 06 Sep 2018 20:25

Tgt Ion: 43 Resp: 7885

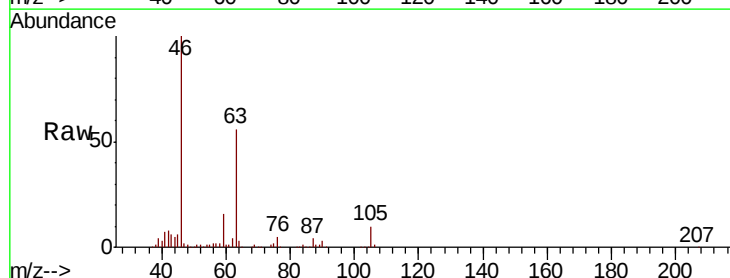
Ion Ratio Lower Upper

43 100

58 24.9 42.2 63.4#

57 25.1 14.6 21.8#

100 0.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VU026584.D (-2226) (-)

Ion 58.00 (57.70 to 58.70): VU026584.D (-2226) (-)

Ion 57.00 (56.70 to 57.70): VU026584.D (-2226) (-)

Ion 100.00 (99.70 to 100.70): VU026584.D (-2226) (-)

8.31

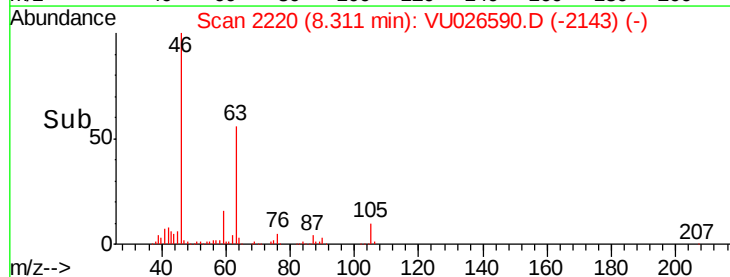
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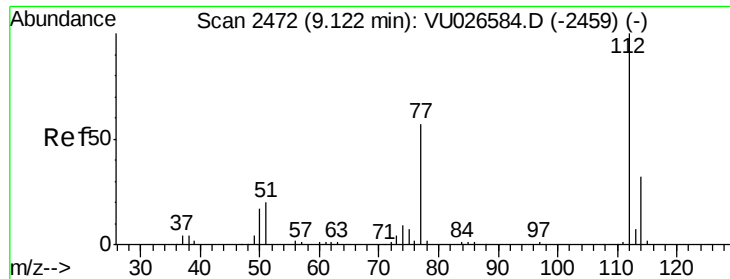
4000

2000

0

Time--> 8.25 8.30 8.35

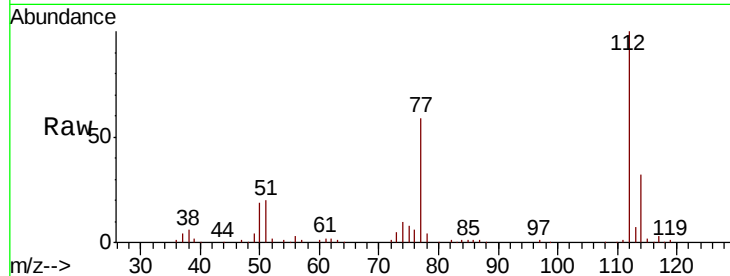




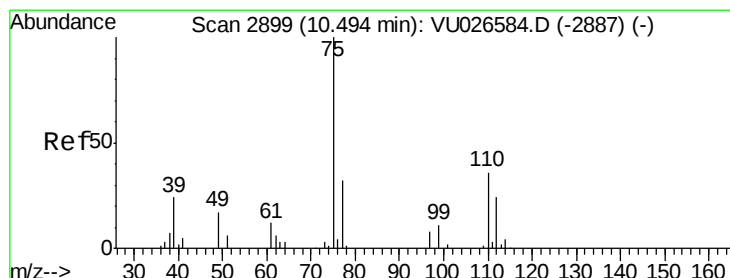
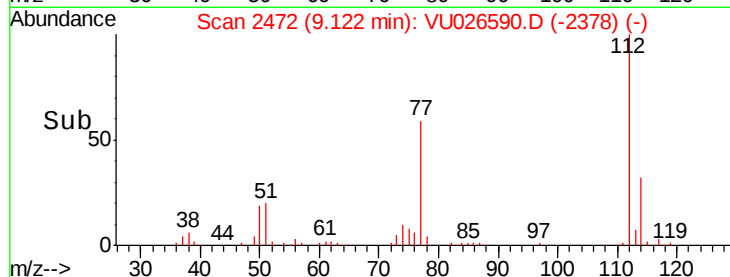
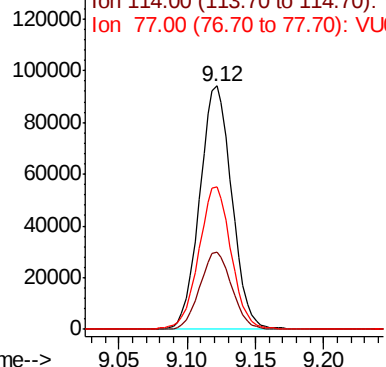
#51
Chlorobenzene
Concen: 53.333 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026590.D
Acq: 06 Sep 2018 20:25

Instrument :
MSVOA_U
ClientSampleId :
E5FA9MSD

Tgt Ion: 112 Resp: 153754
Ion Ratio Lower Upper
112 100
114 31.9 23.2 43.2
77 58.8 47.3 70.9

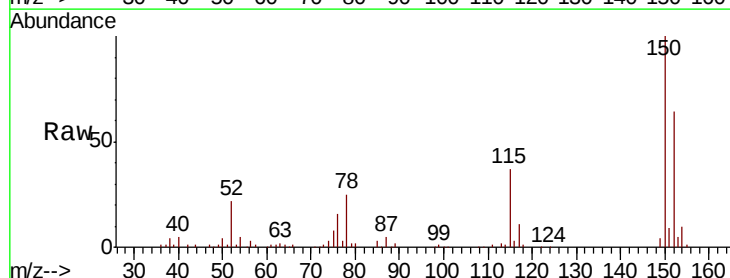


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59
1,2,3-Trichloropropane
Concen: 4.898 ug/L
RT: 11.48 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU026590.D
Acq: 06 Sep 2018 20:25

Tgt Ion: 75 Resp: 6990
Ion Ratio Lower Upper
75 100
77 40.3 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

